



DX NEWS

*the magazine of the
National Radio Club*

— SINCE 1933 —

VOLUME 50 NUMBER 24

APRIL 4, 1983



INTERNATIONAL RADIO CLUB
OF AMERICA

FOLDS!!!

AFTER 17 WEEKS OF TALKS AND NEGOTIATIONS, IRCA HAS FOLDED AND ITS MEMBERSHIP CONVERTED BACK INTO NRCERS. THIS LATE BREAKING STORY IS NEWS TO ALL OF YOU AS WELL AS AS TO THE IRCA GENERAL MEMBERSHIP, AS WORD WAS RECEIVED JUST MINUTES BEFORE THIS WENT TO PRESS. THE IRCA BOARD OF DIRECTORS VOTED TODAY IN THE SEATTLE MEETING ROOM TO COME OVER TO THE NRC. REASONS GIVEN VARY AND WE DO NOT HAVE THE OFFICIAL REPORT AS YET, BUT RUMORS SAY THAT DUE TO THE SUPERIOR MAGAZINE AND THE QUALITY OF THE NRC'S FINE BOOKS AND SUCH THAT IRCA SAW NO COURSE BUT TO GIVE IN BEFORE THEY WENT THE WAY OF NARC. THE BOARD OF DIRECTORS OF IRCA WAS ALSO DECEASED TODAY, ACCORDING TO THE PHONE CONVERSATION I HAD WITH A VERY HIGH SOURCE IN THE NOW DECEASED IRCA, WELCOME ABOARD FELLOW AM DXERS. ACCORDING TO RON MUSCO, OUR MEMBERSHIP CENTER WILL BE ABLE TO TAKE IN THE 73 MEMBERS THAT WERE NOT ALREADY NRC MEMBERS WITHOUT DIFFICULTY. RON DID MENTION THAT THE ONLY PROBLEM WAS WITH THE ISSUANCE OF THE NEW MEMBER BOOKS, BUT INSURED US HERE THAT ALL 73 MEMBERS WOULD GET THEIR BOOKS AND OTHER RELATED MATERIALS NO LATER THAN MAY 1ST.

OTHER NEWS... DUES WILL BE GOING UP TO \$24 U.S. MEMBERS, \$25 CANADIAN, AND UP ABOUT AN AVERAGE OF 23% FOR FOREIGN MEMBERS. THIS IS DUE TO THE FACT THAT STARTING WITH THE JUNE ISSUE, THE MAGAZINE WILL BE IN THE NEW 4-COLOR FORMAT WHICH WAS DISCUSSED AT THE CONVENTION LAST YEAR. THE \$73,000 PRINT MACHINE BOUGHT BY THE NRC EDITOR HAS BEEN TESTED AND MIKE SAYS THAT EVERYTHING IS ON SCHEDULE FOR THE JUNE ISSUE.

ALSO THE PURCHASE OF THE NEW 3 STORY BUILDING/COMPLEX IS ENTERING ITS FINAL STAGES AND WE SHOULD BE ABLE TO MOVE THE EDITORIAL, AD LAYOUT, AND PRODUCT DEVELOPMENT OFFICES INTO THE NEW BUILDING WITHIN A MONTH. AS YOU MAY ALREADY KNOW, THE SUPPLY AND PRINTING SECTIONS OF THE NRC HAVE ALREADY BEEN MOVED IN SINCE LAST WEEK. THE SHIPPING AND RECEIVING DEPARTMENTS ARE STILL AT THEIR TEMPORARY LOCATIONS UNTILL THE REMAINING TWO DOCKS ARE COMPLETED. MARKETING AND THE REST OF THE LAYOUT DEPTS. WILL NOT BE ABLE TO MOVE IN UNTILL SOMETIME IN SEPTEMBER OR OCTOBER. HOPEFULLY, BY CHRISTMAS, ALL DEPARTMENTS WILL BE MOVED IN AND IF ALL GOES RIGHT, AN OPEN HOUSE ON THE NEW FACILITY COULD BE SCHEDULED THEN.

SOME MORE GOOD NEWS. BAD FOR OTHERS, HI. THE SALARIES OF THE EDITORIAL STAFF AND THE LAYOUT DEPARTMENT WILL ONLY BE INCREASED 5% AS THESE TWO DEPARTMENTS ARE NOT UNDER THE UNION CONTRACT. THE UNION SIDE OF THE HOUSE WILL GET THEIR SCHEDULED PAY INCREASE OF 6.5% STARTING WITH THEIR OCT. 14TH CHECK.

CPC TESTS (TIMES ARE E.L.T.)

NON-SCHEDULED AT THIS TIME, HOWEVER YOU SHOULD START MAKING YOUR INTENTIONS KNOWN TO NEIL ZANK, IF YOU PLAN ON HELPING OUT DURING THE 1983-84 DX SEASON.

REMEMBER TO UPDATE YOUR ALERT STATUS CARDS AND PHONE NUMBERS WITH THE APPROPRIATE PERSONS. YOU DON'T WANT TO MISS OUT ON ANY UNSCHEDULED TESTS.

LOOK INSIDE:

- 2.....AM SWITCH
- 3.....DDXD
- 5.....IDXD
- 6.....NEW FREQ. BAND

- 8.....DXATRON
- 9.....ANTENNA
- 10.....CONVENTION
- 11.....REPRINT LIST

- 12.....STN PROFILE-WGTR
- 14.....WXDL OPENERS
- 16.....APRIL FUEL
- 19.....MUSINGS

Call Letter Applications:

Present Call: Seeker:
650 *New Deer Trail, CO KRAP
810 KGO San Francisco, Ca KJKY
850 KOA Denver, CO KWIT
1370 WRTK Rochester, NY WJLB
1520 KONA Oklahoma City, OK KUTE
1560 *New Yorkers, NY WOUT
1600 *New Bay Shore, NY WART

Call Letter Grants:

Old Call: New Call:
610 WDAF Kansas City, MO KGAC
870 *New Correctionville, IA KSIC
1270 *New Albany, NY WSEI
1270 *New Schenectady, NY WBOB
1270 *New Troy, NY WBAH
1360 KMO Tacoma, WA KAPB
1370 KAPB Harkoville, LA KMO

Applications for New Stations: (rechecked from February 28 issue)

660 Frankenberry, MI 1000 D1
770 Bonnyfranklin, KY 1000 D1
810 Dantyno, MD 1000 D1

Applications from Existing Facilities:

800 CXLW Windsor, ON seeks to blow up PJR's transmitter (from DOT)
1110 KFAB Omaha, NE seeks to blow up WBT's transmitter
1110 WBT Charlotte, NC seeks to blow up KFAB's transmitter
1140 WQBA Miami, FL seeks to blow up Cuba
*860 WNOV Milwaukee, WI to increase power to 10000 (from funds collected by refunding bus transfers)

Grants for New Stations:

560 Adrian, MI 5000 D1
890 Rockford, IL 5000 ST1 (share time with WLS)
1320 New Castle, PA 50000 W2 (guess which direction?)

Grants to Existing Facilities:

920 WOKY Milwaukee, WI increase modulation to 243% up from 187%
1110 KAKA Dermott, AR moves into new studios near waste treatment plant
1400 WFTG London, KY moves to 980 KHz and to England
*1340 WRIT/WKKE/WBCS Milwaukee WI allowed to put up rotating call letter sign on station building and on transmitter towers.
1410 WHLN Harlan, KY moves postage meter
1420 WHDN Harrodsburg, KY moves
1440 WNPV Lansdale, PA moves to Fairfield, CT
1550 WDKJ Jackson, MS will raise h____ (heck)
1590 WPLW Carnegie, PA to increase profits

BELOW IS A PICTURE (DRAWING) OF YOUR EDITOR SITTING IN HIS OFFICE!!!!



Here is the unofficial MRC column which is about as exciting as listening to Crazy George (the NFL cheerleader) bang his drum! When sending your tips in, list them on both edges of the paper, verifiable in Egyptian, skip lunch, AST, etc., deadline is yesterday. Here we go!:

KGGF THE VOICE OF THE MAGIC CIRCLE

SPECIAL:

560 WRYD MI Adrien - 4/1 1915 New on w/ s/off mentioning 5000 watts and slogan, "We'll Rain Your Day" (MX-OH)
660 WNBC NY New York - 4/1 drops NBC net and picks up ABC (AB-NY)
770 WABC NY New York - 4/1 drops ABC net and picks up CBS (AB-NY)
880 WCB3 NY New York - 4/1 drops CBS net and picks up Mutual (AB-NY)
890 WLS IL Chicago - 4/5 drops GE from atop Sears Tower (GC-ON) read in paper where sta was cited by FCC for slot of splatter that day!
910 WGAZ GA Valdosta - 4/2 mentioning change to WGYF, "We've Gone Along Far (enough)", now, "We're Gonna (give) You Fita". (FRT-NE)
1020 XDKA PA Pittsburgh - 4/3 drops Pirates for Deechview Little League Colts (MK-OH)
1080 WEEP PA Pittsburgh - 4/7 now simulcasting (10 sec delay) with sister sta on FH, known as WEPT-FM (AB-NE)
1120 KMOX MO St. Louis - 4/1 drops all mx/mx and goes rel/gos (JTK-CA)
1250 WTAE PA Pittsburgh - 4/8 drops Steelers for Morningside Bulldogs (GC-ON)

DX TESTS:

860 WTEL Heard: I sure did, and rr mx, too! (AB-NY) 1320/WJAS

EMERGENCY BROADCASTS:

1550 WAAV AL Huntsville - 4/3 0100 on full power for a "possible thunderstorm" 0200 No thunderstorm, but did have one, make that two drops of rain, mentioning staying on, "cause we felt like it." (GC-ON)

WNBH 1340 AM

MIDDAY - MIDNIGHT:

860 WAMO PA Pittsburgh - 4/1 1200 w/ID and slogan, "We've Always Mouthin' off (MK-OH)
1100 WWEV OH Cleveland - 4/1 2359 first time noted that Pete Franklin did not swear or insult his callers, instead he called his engineer a "q*449" (MK-OH)
1170 WLBH IL Spitton - 4/3 1926 w/ad for Gary's Greenery mentioning, "will make your grass grow so thick you won't be able to cut it!" (AB-WO)
WCHR NY Corn-on-the-Cobb - 4/4 1856 w/ad for Carl's Carpet Cleaning mentioning, "if we don't ruin them, nobody can!" (AB-NY)
1320 KAWC AZ Hayyu - 4/2 2047 caught ID and song, "Gettin' your Attention".
1340 KP2M TX Pampers - 4/3 2350 caught w/ their drawers down. (FRT-NE) (JTK)
1490 XRTR NY Thermometer - 4/5 2316 caught w/ Ho Howard Wx Show. (JTK-CA)
1560 KEGG TX Rodneydinglerfield 4/1 2050 heard cw song, "I Don't Get No Respect". (FRT-NE)

WNAX-570

MIDNIGHT - MIDDAY:

880 KJJK MT Whitefish - 4/1 0430 talk program discussing gambling, under the table payments, and the FCC. (JTK-CA)
930 KWOC MO Popeye - 4/3 0160 ID, into Larry Fine Consumer Reports discussing hammers, scissors, and pipes. (FRT-NE)
OKNS ON Ho-Spook-Espanole - 4/2 0222 w/classical mx on Hick Belker Show, "for all you hairballs out there". (GC-ON)
970 AFRS AK King Salmon Breath - 4/2 0333 heard. (JTK-CA)
1060 *WHLI IL McLeanstevensanboro - 4/3 0444 BT w/lp, "The Sounds of Curly Howard". (MX-OH)
1090 *WBAL MD Baltimore - 4/1 0200 TT w/loud tone bursts and ID, "We Burp A Lot". (AB-NY)
1230 *WSAL IN Logansport - 4/6 0215 TT similar to screaming and ID, "We Scream A Lot". (MX-OH)
1280 *WYAL NC Scotland Yard - 4/2 0231 TT similar to yodeling and ID, "We Yodel A Lot". (AB-NY)
1520 WKBW NY Buffalo - 4/1 0130 w/the No. 1 song in Buffalo, "Whett", by D.S. mentioning, "a new kind of boat". (GC-ON)

WYNZ 7:00 AM

THISA ANDA TEATA:

WARQ in Cleveland (a non-verifier) bought WEX (also in Cleveland), after accumulating years of return postage stamps which they sold back to the USPS!

4 Silent Protest - in an effort to broadcast 24 hours, all daytime stations will go on strike on 4/11 and will stage a "silent protest".

Schlitz Beer will purchase a majority interest in WUD-1260, WBAR-1460, XEGG-1560, WIFR-940, KLUJ-590, WSBK-740, and WSIP-1490.

Remember: 1984's convention will be in Colorado Springs, Colorado!!!!



OUR FABULOUS FIVE:

- GC-ON Guy Cabellero, Melonville, ON
- AB-NY Archie Bunker, Bronx, NY
- FRT-NE Floyd R. Turbo, Lincoln, NE
- JTK-CA James T. Kirk, Enterprise, CA
- NK-OH Max Klinger, Toledo, OH
- BS-PA Where's Mine? I didn't list any, why should I? I just type on!!!!

- SCTV, 50' clothesline
- Sloproadio
- Picket Fence
- IQ-180A, Warp Drive Ant.
- Radar

VIA MAIL DE REQ

Broadcast Engineering September 1982

feedback

The first station
For many years now, I have heard remarks at technical gatherings and have seen articles in technical publications about radio station KDKA, Pittsburgh, being the first station. In the past I have ignored the statements, but I must be getting catchy in my old age because I want to see justice done.

In an article by Mike Palmer on audio switching systems in your March 1982 issue it is stated, "The first station, KDKA of Pittsburgh, began broadcasting in late 1920." The statement is wrong because KDKA is not the first station. It was the first station to receive a license from the FCC, but it was not the first station on the air.

Radio Station KCBS is the descendant of the first station to transmit material to all who could receive the signal. The history of Dr. Herold's station follows.

KCBS Newsradio 74, the 50kW CBS-owned station in San Francisco, is the direct descendant of a small 15W spark transmitter developed by Charles David Herold, principal of the Herold College of Engineering and Wireless, which broadcast successfully for the first time in January 1909.

Broadcast, by definition, means "to cast in all directions," and that, in contrast to point-to-point wireless communication, is what Professor Herold pioneered in 1909 to give KCBS its historical claim of being the world's first broadcasting station.

It became a "commercial" outlet on January 25, 1926, when the Sperry Flour Company bought a 15-minute cooking program five days a week, although small local merchants had used the station before this date.

The station's first broadcasts occurred more than three years before Congress enacted the Radio Act of 1912, which required licenses and call letters from "voice transmitters." Until this time, Herold's operators simply announced, "This is San Jose calling," gave a vocational school identification, and went into their news and music. Operating the station continuously was a logical way for him to obtain publicity for his wireless school among an audience most likely to enroll—the teenage amateurs. Early equipment used included water-cooled microphones.

In 1921, after licenses were finally issued under the classification of broadcasting, Herold's station became KQW. The call letters were changed to KCBS in 1949.



Unknown person (might be FBI man) Dave Schmidt (Himself)

Herold's 15W transmitter was boosted to 500W of power in 1923 and sold to the First Baptist Church in San Jose, CA. Fred J. Hart operated the station, and a year later purchased it. Power was increased to 1kW in 1934 when Hart sold the station to Ralph Ransin and C.L. McCarthy. In a year, power was once more stepped up—this time to 5kW.

CBS took over in 1949 with Arthur Hull Hayes, who was then the first general manager and later became the president of CBS Radio. Power was boosted to its present 50kW in 1951.

The KCBS files are filled with documents which authenticate the pioneering accomplishments of Herold. They include a transcript of a talk by another "father of radio," the late inventor Dr. Lee DeForest. He was on the scene, and addressing a banquet of the Veteran Wireless Operators Association in 1940, he said: "My earliest broadcasting began here on the Pacific Coast...Pioneering station KQW at San Jose maintained regular transmissions...That station, KQW, can rightfully claim to be the oldest broadcasting station in the entire world."

In 1939, Professor Gordon B. Greb of San Jose State College wrote an extensively researched and documented article for the Journal of Broadcasting which unequivocally established the claim of KCBS as the nation's original station. In the article, Greb said: "KDKA, as well as WMA, Madison, WI, and WWJ, Detroit, MI, have all claimed to be the first stations. Each has a claim to a first of some kind or other, and KDKA's claim is that it was the first station to be licensed under the federal regulations in 1920. The regulations required the licensing of the stations by the federal government, and KDKA acquired the first federal license issued by the Dept. of Commerce. That is its claim to fame."



But, as in which station actually was the first to go on the air and broadcast, it was Herold's station in San Jose, CA (now KCBS, San Francisco), which was on the air so early there were no regulations to govern it."

Also, the then US Senator Thomas Kuchel, on March 20, 1959, entered into The Congressional Record a treatise supporting KCBS' claim as the first in the nation.

In 1963, KCBS became the first all-news station in Northern California. In 1979, the station was honored with the Golden Mike Award of the Broadcast Pioneers.

In November of 1976, the Native Sons of the Golden West presented KCBS with a bronze plaque honoring it as a Historical Landmark in California history.

Howie Immekus
Director of Technical and
Broadcast Operations
KCBS
San Francisco, CA
1-415-771-1111

INTERNATIONAL DX DIGEST

Chuck Hutton/PostMaster 5
Decatur Post Office
Decatur, GA 30033

Times better be GMT. For EST Subtract 5 dollars. Deadlines are always Monday, or else!!!!

Editor's Note: Due to unforeseen circumstances, this week's column was sent to Cuba by accident which was promptly burned by Fidel Castro, and then returned. So without a column, I'll just have to use this stuff that I'll pull out of the garbage, err, file hold basket.

10X0 ***** Miraculous - Reception *****

Your Editor calls your attention to the lack of reports on Spitzenbergen - 1484.

- 545 Brazil Very strong static from Amazonian thunderstorms noted 0430 3/19, faded at times. Anyone know the address for reports? (Clownley, MA)
- 683 Mauritius MBS noted 2/31 at e/on 0330, very poor signal and faded quickly BUT I did hear the studio door slam at 0331, sounded like the door that was slammed from MBS on SW in 1954!! Report sent!! (VonScitt-DE)
- 830 Unid LA Strong Spanish speaker noted here w/folk-rock music in Spanish, seems to be Dominican, calls seems to be Hippy, help? (Hoser-BC)
- 875 COSTA RICA POWERFUL NEW ENGLISH STATION HERE id'ING as "yOUR MILLION wait TOWER OF POWER (slight problem with my program on my computer, sorry) with news on the hour", english rock music, using animal roar as IS on hour, is this TIGER? (DOG-CR)(awful clone to 890-WLS, maybe their "Animal Story" segment- as a guess? -ed.)
- 1240 Puerto Rico Non-commercial station noted 2100 w/off on auroral nights, operated by Gaganas High School, power given as 15 watts, call seems to be something like "W-E-A-R", (Vason-FL)
- 1340 Unid Weak signal noted from Tahitian outlaw noted here at 0230 w/off, call seems to be "FOXY" (Dick Ewood-Lost!)
- 1500 Antarctica APRIS must have been the weak station noted w/WTOP 2000-2005, main weak in English, several mentions of "south", obviously meaning the South Pole. Also heard mention of 'army' during news which clinches ID, report of!! (Coleslaw, KC)

***** A special for Computer DX'ers!!!! *****

For only \$2.50, you can purchase a list of the growing number of stations which have been forwarding all of their software disc's to the main office of a major computer company for reprogramming. Just think, for just the cost of a disc, you can receive up to 3 months worth of logs, music titles and asserted times, so you will no longer actually have to hear the station!! More details as they become available! Watch your local K-1ed ads for future updates on this subject!!



Neil A. Perdue, WDX1NAP
(Nico Equipment, Mail)
mike

NATIONAL RADIO CLUB
P. O. Box 99
CAMBRIDGE, MASS. 02138

House Panel Votes Two Extra Months of Daylight

A House Energy and Commerce subcommittee last week voted to extend Daylight Savings Time (DST) for two months each year. The bill, sponsored by subcommittee chairman Dick Ottinger (D-NY), would have DST begin on the first Sunday in March, rather than the last Sunday of April. Although Ottinger's goal is to conserve energy, the measure would also permit many daytime-only AMs to stay on the air longer during afternoon drivetime in March

and April. A similar bill passed the House on a 243-166 vote last year, but died in the Senate Commerce Committee.

Meanwhile, the Daytime Broadcasters Association (DBA) has submitted reply comments once again urging the FCC to approve a series of steps to aid daylighters (Docket #7-558). Noting the opposition expressed by non-daytimers, DBA told the FCC, "Each fulltime station must surrender some small measure of operational superiority if the daytime's lot is to be improved at all." JIA 3/18/82 2442

This keep noise at bay

BANGKOK—The government of Thailand has dealt with an interference problem on the medium-wave broadcast band in a very straightforward manner: overpowering the competitors. At Saraburi, the government recently installed a 1-MW broadcast station, constructed by NEC, consisting of two 500-KW transmitters operating in parallel. The system is keeping interfering signals from other countries at bay, according to NEC.



A NEW FREQUENCY BAND TO OPEN UP

Hidden away in the deluge of hundreds of pages of proposed Federal Regulations that appear in each day's Federal Register is a new set of regulations proposed by the FCC opening up the new "N" band for use.

Originally proposed in the early 1930's, the "N" band has only been used on a limited basis by the military and research organizations. However, the Commission, in proposed rulemaking, has decided that frequency congestion in the "P" band, now in use worldwide, warrants the implementation of these previously withheld frequencies.

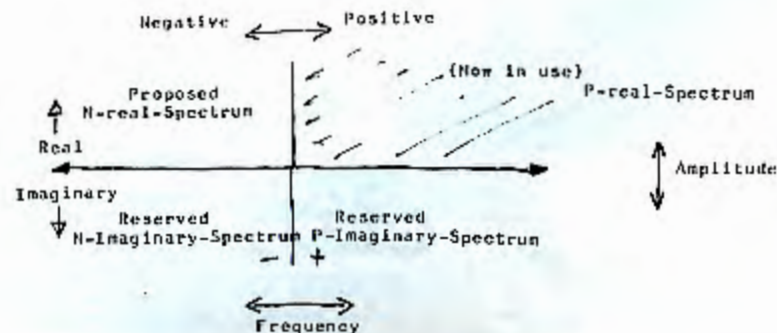
Faraday and Hertz both proposed in the early days of the development of radio that there are indeed four radio spectra, rather than only one. Research at Cambridge (U.K.) and Harvard (U.S.) universities during the 1920's confirmed the existence of all four "Spectra bands", but with the exception of military equipment in WW2, all radio transmitting equipment and radio receiving sets have been designed to operate on the "P-real-Spectrum".

Some German equipment captured after WW2 did operate on the "N-Real-Spectrum", and some of it appeared on the surplus market in Europe and in the U.S. (The easiest way to check a military surplus receiver or transmitter for operation on the "N" or "P" spectrum is to fire it up. If it's a transmitter and nobody can hear it, although operation seems normal, it undoubtedly operates on the "N" band. Similarly a receiver which gives you noise in the speaker, but no signals at all probably is tuned into the "N band".)

Hobbyists who wish to convert these equipments to operate on the band in use now (the "P" band) need only rewind all the coils in the receiver (or transmitter) but in the opposite direction. This applies to all coils, transformers, and chokes. The reason for this is simple: to insure that all manufactured equipment operates on the "P band", it was decided in 1921 that all coils would be wound "clockwise". You can easily confirm this yourself by opening up any receiver and checking any coil or transformer -- it will be in clockwise rotation/winding. To operate on the "N band", one need only rewind all the coils in the opposite direction. Once this is done, and if you've done all the coils, you'll probably only hear noise from your speaker, but no stations, which is only logical since no stations are now operating on the "N band".

What does it mean to the DXer, this new band? Probably in its simplest terms, it means a whole new broadcast band to tune, with little interference, at least initially. The "N-Band" is now virtually vacant and stations going on the air will have virtually the same coverage, but without interference, as they would if they were operating on the same frequency but in the "positive frequencies". ("P") The negative frequencies ("N") will open up new opportunities for minority broadcasters, and permit operations in cities now blocked of the allocations table because of co-channel or adjacent-channel interference. One possible problem is that existing broadcasters may want to stake out the same frequencies on the negative-frequency band that they now have on the positive-frequency-band (WABC would be 770KHzP and 770KHzN, for instance)². But even the chance of this is remote as the capital expenditures would be enormous and not justified by AM radio's declining listenership.

So in summary, here is what is going to happen: we will now have two bands of frequencies ("spectrums", or more correctly: spectra). The "positive" which is now utilized, the "negative" which will be opened up in the mid 80's or 90's, both with a full complement of assignments. The FCC also served notice that after the year 2000 it was considering opening up the "i" bands of which there are also two; "IN" and "IP", each capable of holding as many stations as we have now. Graphically displayed, the whole thing looks like this:



If it doesn't make sense to you, just confirm it with someone who has taken college level math, and show him the formula for a tuned circuit:

$$f_{\text{req}} = \frac{1}{6.28 \sqrt{LC}}$$

(actually the 6.28 is rounded off, the formula says "2 times pi")

Where: freq is in Hertz
L is inductance in Henrys
C is capacitance in farads

As you can see, the square root of the LC product (the tuned circuit) can be either positive or negative, which would determine whether the circuit tunes in positive or negative frequencies. Volla! a whole new frequency band. The square root of LC will tune in the positive-real frequencies if the capacitor and inductor are both either positive or negative, or tune in the "i" (imaginary) frequencies if only one is positive or negative. All of this, admittedly, is highly esoteric, but who would have thought years ago that we'd all be using TRFs instead of old Crosleys or Hammarlunds?

Note: *1) The FCC has decided not to use the designations + or - but rather N and P as the NAB feels that to be -770KHz or +770KHz would blame the "N" station at a competitive disadvantage, although in this respect "minus 770 KHz" would really be better, because of better coverage.

*2) You might think that south of the equator the coil windings would be reversed from Northern hemisphere manufactured radios but this is not so. But if you've ever tuned a South American or Australian made receiver you know that the tuning dial is reversed: In the Northern Hemisphere, 1600 KHz is at the right of the dial and 500 KHz at the left end. Australian and Argentine radios have 500 KHz at the right and 1600 KHz at the left!



Harold R. Ringenberg
404 Sugar Maple Lane
Cincinnati, Ohio 45246

1540 East Tulare Road
Anchorage, Alaska 99507 (907) 277-0591

1080 AM
KTKN

MS
B

MIDNIGHT SUN BROADCASTERS, INC.

KTKN

BOX 8300
KETCHIKAN, ALASKA
99901

The Cabin Engineers of DX
(The Odd Group)

left to right:

Dr. Al Mariani,
Rod O'Connor,
Bob Hivak,
Loi Hermann.

Photo by Virgil



8

DXATRON

at the cutting edge

of DX technology

The April upturn in government and commercial orders for our High Tech medium-wave DX engineering services has given rise to many challenging new career opportunities. Our west coast location offers a wide range of academic and research facilities and varied after-work outdoor and indoor sports possibilities.

OPENINGS AVAILABLE NOW

BSET, BSEE, BSCS, or BS Physics required; MS or PhD in DX Engineering advisable.

Beverage Applications Engineer — 28K

Applicant should be capable of plotting expected directional patterns of horizontal Beverages of various heights, lengths, and terminations over a variety of grounds at a variety of frequencies between 500 and 1700 kHz. Previous involvement with balloon-supported vertical Beverages is also necessary.

Loop Designer — 30K

Must have hands-on experience with SW2, MW-1, Sanserino, McKay-Dyck, Wedge, NRC PET Altas, Palomar Engineers, and other loop antennas, both of ferrite-core and air-core design. Should be capable of designing MW loops with -90dB side-nulling capability and 60 dB minimum forward gain over a 100-foot longwire.

Software Engineer — 38K

Must be familiar with programs such as TA-SCAN, BEVUMBASE, LOOPWEAR, SKIPTRAK, AMPLITAR, GEOPLOT, MOBULYSER, BEAMAC, ACCUTUNE, and AUTOK. Must be able to create software analyzing Fourier spectral distribution of light-dimmer HF noise. Knowledge of microprocessors, assembly language, and aurora-simulation programming is a plus.

Phasing Unit Service Technician — 22K

Must be capable of repairing Nelson, Hutton, Harkiser, Connolly, Kazarov, & Hall-Patch type phasing units. Should be able to modify units for improved performance. Multi-layer PC board layout, drill-press operation, and drafting experience desirable. Must interface with sometimes-irate customers.

Technical Writer - Receivers — 24K

The applicant must present a portfolio of significant technical reviews of receivers including, but not limited to, TRF, JG90A, IC-R70, HQ-180A, HF-2200, Joe Worcester superhet, Barlow-Wadley, R-1000, H7, and GE Superadio. Articles written should contain modification possibilities including interfacing the receiver to the IEEE-488 Bus and to CADX (Computer-aided DXing) systems.

* Latin American Liaison — 50K

Applicant with fluent command of Spanish required to infiltrate Cuban broadcasting. EW/SCH/C-I/CGY background wanted. US secret clearance and prior work experience with FCC/MIG/CIA/FBI/Radio Swan/Radio American desirable. Travel 90%; private plane provided.

* Supervisor, DX Engineering — 100K & coffee-machine commission

The applicant must be able to whip subordinates into line. The guys you'll be supervising like to drink and/or smoke their lunch. Some of them have the audacity to say "heck" & "damn" when they go to Klasek CIG's. They listen to "boonbox" portable stereos playing 'outlaw' C&W and hard rock. Previous experience as a prison guard, circus animal trainer, or Marine bootcamp drill-sergeant will be helpful. Must be able to handle attack dogs. Gun provided. Applicant must be able to supply the "troops" with a steady supply of Navy-surplus industrial strength coffee.

(* = company life insurance not available for these positions.)

Please send resumes, with salary history & references, in confidence to:
 DXATRON
 2 Nu-Heson Lane
 Silicon Valley of the Jolly Green Giant, CA 92718-2618

9

An Article - Antenna

One of the more agonizingly delightful decisions facing a DXer at one time or another is choosing one's next receiver. I started out with a table radio, then graduated to a Hallicrafters 5-35, then to a National HC-88, and then when Radio Shack put the TRF on the market, I traded the National for the TRF.

While the TRF is easily portable, and can be rotated for nulling, it offers the distinct disadvantage of communications receiver, with its accurate dial calibration, variable selectivity, and ultimate pulling power. A fortuitous "swap" at a local "Hamfest" resulted in the acquisition of a R-390-A, a receiver used by most of the "long haul" DXers. (Let me stray for just a second, and recommend to the DX'ing fraternity the occasional attendance of such Hamfests, as there are usually electronic flea markets associated with them, and offer a chance to trade-up to better gear, especially if you have gear of use to a ham to trade.)

Anyway, the swap of the TRF plus a '56 Desoto resulted in the ownership of the R-390-A plus 68 rolls of tape (for recording the anticipated DX!) and an old Singer sewing machine, modified for winding coils. (An aside again, in mentioning that the '56 Desoto had been sitting in the back yard, along with an old Fairlane and a Chevy, and had been the core around which I had wound a 6.2 Megahenry coil for resonating a Longwave antenna. Both the Ford and GM products didn't have enough iron in them to produce the required inductance, but the Desoto peaked up just fine. I had hired a local kid to wind the turns around the body, which he did by jacking up the car on cinder blocks and crawling underneath and ether the thing. He was paid by the turn, and when he finished I found I owed him some \$75.00 at the rate of 10¢ a turn. A lot of money, but multi-megahenry coils are just not a stock item these days!! The 100K (100 kilofarad) condenser which formed the rest of the tuned circuit was also made at home...from a little over 142 rolls of Reynolds Wrap, and 78 rolls of wax paper which formed the dielectric. As in the case of the coil, the work of rolling the capacitor was turned over to neighborhood kids; it took six of them to lift the thing once it was finished, and now sits next to the Fairlane, which by the way has an excellent AM radio ('55 was a very good year!), and many DX catches have been logged on it.

Any, I digress. The R-390-A is not easily used for nulling and DFing when DXing. I found after a few hours that my desk top was developing deep scars so I used a sheet of formica (which was borrowed from the kitchen counter for testing), but it too develop deep scars which exist even to this day in the kitchen. What to do? In this household, the reuse of existing items "on hand" is a tradition, and when a search of local shops and yards produced nothing immediately suitable, I searched anew for something which would enable to null the local superpower "posts" and log some real DX, as I had been doing with the TRF.

One day, while looking out the bathroom door at the backyard the solution presented itself! Eureka! Serendipity had again reared its sought-after face! So now, when DX'ing, I am able to bring in the TA's and LA's, thanks to the Ford Motor Company foresight in equipping its cars with an axle and differential. The Fairlane begrudgingly gave up its underparts, and the R-390 now sits atop what was once the rear wheel, so it can be rotated, and the driveshaft provides the right-angle rotation for nulling. Rather than functioning in the manner of obsolete loops such as the wedge or Sanserino, this mount for the R-390 operates more like an equatorial mount used in telescopes for tracking the celestial sky. Because I was LIMITED in space in the bedroom (my wife is pregnant, and we've already placed the bassinette next to the DX'shack!), it was necessary to cut a 25 1/2 x 42 1/2 inch hole in the floor to be able to use the rear axle setup. Once the baby is born, I expect to be banished to the basement for DX'ing, so I will be able to control the position of the R-390-A from there (I plan to run a remote speaker to a comfortable chair there), but I'll have to preset the frequency before I go down there.

One unanticipated effect of using the differential arrangement is that when the upstairs wheel turns clockwise, the one in the basement turns counterclockwise, which makes Direction-Finding rather difficult. I am now working on a scheme to create a calibrated compass rose but of counterclockwise orientation. I have some really creative thoughts regarding this and will be reporting to the NRC when things are done. In the meantime, the DX catches I'm getting are being reported to the DDXD and DXD columns, and you can make your own decisions as to the efficacy of the DXing set up here.

THE DETROIT COMBINATION: WMJC-WHND

WJEJ WWWJD
 Hagerstrom Broadcasting Company, Inc.
 Box 399, Hagerstrom, Maryland 21740

10 CONVENTION 84

colorado springs AT THE BROADMOOR

with style!



AT LAST A RADIO CLUB CONVENTION TO TOP ANY AND ALL OTHERS! 1984 STARTS OUR SECOND HALF CENTURY!



FUN AT THE HOTEL!
TWO GOLF COURSES
SWIMMING POOLS
SHOOTING RANGE
"SKI BROADMOOR" Alpine Slide
BROADMOOR SKATING ARENA

SERVICES AT THE HOTEL
TWEENY SPECIALTY SHOPS
BARBER & BEAUTY SHOP
FLORIST / DRUG STORE
LIQUOR STORE / LAUNDRY
HEALTH CLUB / SAUNA

One of the world's most exclusive, and expensive resort hotels. Set in a fantastic mountain setting at the foot of Cheyenne Mountain near Colorado Springs, CO. Close to many fine tourist traps such as Pikes Peak, The Cave of the Winds, Manitou Cliff Dwelling, Will Rogers Shrine, The Garden of the Gods, U.S. Air Force Academy, etc.

Eating facilities include these famous BROADMOOR Restaurants: The Main Room, The Penrose Room, Charles' Court, The Tavern, The Golden BEE AND AFTER THE BANQUET SATURDAY SEPTEMBER 2ND THE BROADMOOR WILL PROUDLY PRESENT "BELDAR & THE CONEHEADS" at SPEC'S SPOT THE MOST EXCLUSIVE NIGHT CLUB IN THE PIKES PEAK REGION!!!!!!!!!!!!!!!!!!!!

CONVENTION ACTIVITIES: A planned DXpedition on MM to the SUMMIT of PIKES PEAK (IF IT DOESN'T SNOW AT 14,110 FT above sea level). By special arrangement with the City Council of Canon City, we will be using the suspension cables of the world's HIGHEST suspension bridge. You can DX THE ROYAL GORGE SUSPENSION BEVERBRIDGE ANTENNA overlooking one of the world's most beautiful canyons. A special outing of the NRC SWAT Team is expected to strike local stations KYSN, KVOR, KRDO and KSSS to eliminate any NSP interference on the Monday Morning air!

The Banquet will be served Saturday Evening at 7 pm in the Spencer Penrose Room of the BROADMOOR Hotel. Featured will be a SURF & TURF Special (one lb Colorado Steak, One lb Maine lobster per plate) with the BROADMOOR's famous Baked Alaska Dessert.

A 1400 square foot meeting room will be at our disposal on the main floor of the BROADMOOR GOLF CLUB. Coors beer and snack bar will be included. (No sleeping bags in this area please!).

REASONABLE ROOM RATES.... NO EXTRA CHARGE FOR DOUBLE, TRIPLE OR QUADRUPLE OCCUPANCY!!!!!!!!!!!!

THE MAIN HOTEL..... \$ 115.00 per night
THE BROADMOOR SOUTH..... \$ 135.00 per night
THE NEW WEST WING..... \$ 155.00 per night

FOR RESERVATIONS: SEND YOUR CHECK TO THE PIKES PEAK CONVENTION COMMITTEE FOR YOUR ROOM CHARGE BASED ON THE ABOVE RATES (don't forget to multiply by three!) plus \$ 65.00 for the Banquet, plus \$ 150.00 Registration Fee to cover the meeting room. All reservations must be in and paid for by January 15, 1984. SEE YOU IN THE SPRINGS IN 84!

Orville Weagener
Chairman
PIKES PEAK CONVENTION
COMMITTEE

REPRINT LIST ADDITIONS - April 1983

ANTENNAS

444 THE PICKLE ANTENNA The pickle, permeated with salt & vinegar, is a good conductor of electricity. Experiments here validate the efficacy of using the pickle as a compact indoor antenna for apartment dwellers. Pickle-phasing schemes are also presented. The manufacturers of over-priced indoor antennas will really take gas on this one.

DOMESTIC DX

D22 POWER GRAVEYARD PROPOSAL BECOMES LAW The former clear channels are being converted to channels with the same number of stations as channels such as 1230 & 1340. Stations will be spaced at distances comparable to those between stations on 1230. The only difference is that all stations on the new 'graveyards' get to run 50 kW day & night. Stations in Florida get to run 500 kW if they agree to beam towards Cuba.

FOREIGN DX

F53 LIECHTENSTEIN ON THE AIR The new 500 kW station at Wurtzelburg has been logged by many DXers. Its poetry readings & Dylan records are best heard in winter from 0500 GMT sign-on to 0700 fade-out.

F54 YOUR FIRST 86 BULGARIANS A noted New England DXer details how you can hear stations from this intriguing country on your car radio. Of course it helps if you're parked in downtown Sofia.

F55 BRING LAWYERS, GUNS, & NY 4' NRC ALTAZIMUTH LOOP Tales of peril & high adventure in the jungles of Cuba. The escapades of this Yanqui soldier of fortune will keep you on the edge of your seat (even if that seat is in the bathroom). Valuable information on Cuban broadcasters is included.

F56 ISLA DEL FUSCO EXPEDITION A veteran DXer visits La Voz del Maricón & picks up his QSL from the Verle Fairy. The DXer also makes a surprise visit to Onda del Cornosticidad, formerly R. Taco & R. Ortega. A free lunch & antacid tablets are provided.

F57 ID CARIBBEAN STATIONS BY COMMERCIALS Details of advertising on Caribbean stations are provided to aid the DXer when aurora hits & he is faced with a confusing profusion of unfamiliar stations from tropical paradises. Some of the ads mentioned include the famous Rasteman TV Repair Shop commercial from Jamaica, ads for poison-dart vending machines on rural Brazilian stations, and the Palm Tree Antenna Service & Siskini Front-End Alignment Co. ads from Radio Cayman.

GENERAL

G30 YES, VIRGINIA -- GHOZI SPELLS FISH A midwestern member gives spelling lessons & talks about DX as well. A must for the younger reader.

G31 WHAT IS A COUNTRY - PART 7352 Arguments are made, pro & con, about the status of the San Fernando Valley as an independent country. A primer on Valley Language is included to help the DXer looking for tubular DX amidst grody interference. "Awesome to the max!"

G32 IKING AND BEER The two have been mentioned together throughout radio history, but why? One DXer says that consuming a 6-pack helps him hear more JP stations. Another emphatically states that soda help him get his locals looped. With enough Beck's Dark down the hatch, it is rumored that you'll hear the Deutsche Welle interval signal, even if your radio is off! Seguels to this article are in the works: these include IKing & Coffee, IKing & Sex, IKing & Cigarettes, IKing & Pizza, IKing & Pot, IKing & Jogging, IKing & Donkey-Kong, etc.

RECEIVERS

R09 DRAKE #7 MODIFICATIONS Step-by-step instructions are given to permit the DXer to change the #7 from unpredictable, hard-to-work-on solid-state circuitry to good old fashioned vacuum tubes.

STATION PROFILE

12

WGTR - 1380 Khz

By Harvin Belchugle

If you are driving up the Connecticut Turnpike, and your radio tells you a joke about the cooking ability of a Jewish mother, you are probably listening to one of the most unusual radio stations in the USA, "Yeck Radio - 14, WGTR-1380, Fairfield, Connecticut. WGTR is the World's first ethnic humor station, featuring ethnic jokes from 6:00am to 10:00pm, and Sinatra all night. There is little fear that the stock of humor will run out - 20,000 hours of tasteless comedy taped in Bridgeport and Norwalk Bars, on construction gangs, in the conductor's room in Stamford's railroad yard, at various stag parties, and read off the wall of the men's (and ladies) rooms at Yankee Stadium. Additionally, WGTR frequently runs contests for its listeners to provide the most raunchy jokes. The last such contest resulted in the submission of some 5,600 sick jokes - The winner got a night for two in Augusta, Georgia.

WGTR, on April 1, 1983 celebrated its Second Anniversary, with a remote broadcast from the Bridgeport Sanitation Department's Sewerage Treatment Facility.

WGTR - stands for Gross Lime Radio, and was the brain child of I.P. Freely and several of his college fraternity brothers. It's genesis came during the later stages of a beer blast at the Tapa Kega House at the University of Bridgeport. The application for the license and supporting documents were drafted on the bar (along with many glasses of beer), that night, and were hand carried to the FCC in Washington the following day by the brotherhood who piled en masse into Antrak's Night Owl at it's 1:47am Bridgeport Stop. Alas, the application almost did not get to Washington, as the conductor wanted to throw the rowdy bunch off the train, at Stamford after they invaded the Sleeping car looking for loose women. But the group did calm down, and, on May 1st 1979, application was filed for the station. The group asked for the call sign "WJBC" for Novelty Broadcasting Company, but the FCC had to reject that call, as another station had previously applied for those letters. WGTR's owners later incorporated as the Meadowmuffin Broadcasting Company.

WGTR's success has been phenomenal - rising quickly to the top of the ARB's. However, many church groups, and the D.A.R. and A.C.L.U. has maintained that the station should be shut down - and the station has been fire-bombed and has had numerous bomb threat calls by other 'peace-loving' groups.

WGTR operates with 250/5000 watts power, with three different patterns. The station must change patterns and power when WBHX - WAWZ sign off and on-going to 250 watts when WBHX is on the air, and 5Kw when the more distant WAWZ broadcasts, and when WJNR - Naugatuck reduces power. WGTR must also reduce it's power to 7 watts at local sunset for at least 30 minutes to protect WJHSI-1380 until it goes to its night pattern.

The WGTR studios and offices are located in a building at 1155 Boston Post Road, Fairfield. The building was designed to resemble a six-story high bright red comode - a unique fountain in the lobby makes gurgling sounds - resembling those emitted by older plumbing. The immense red comode has drawn thousands of sight-seers, as well as thousands of protestors, to gaze upon the phenomenon - which is also a navigational aid for aircraft flying in the area. The WGTR transmitter (built by a physics class at the University of Bridgeport) feeds a 16 tower array (4 rows of 4 - 150' towers), which is located near the intersection of Rock Lane and Sport Hill Roads, in Easton, a town just north of Fairfield. The transmitter building is only accessible after 12 feet of sandbags are removed from the 4-ton blast-type doors. The signal covers an area from three miles north of the array to an area along the Connecticut coast from Westport to Stamford, as well as Central Long Island.

WGTR employs six joke masters, who operate the board, select the material, and keep from getting too salty on the air. The schedule provides for jokes by nationality by the hour - a Polish hour, an Italian hour, a Greek hour, etc. Additionally, from 8pm to 11pm is a listener participation show called "Fairfield's whispering". Listeners have been invited to call in to converse with experts on such diverse topics as the love life of a ping pong ball, the fertility rites of the Abominable snow man, and such topics crucial to the life in Fairfield county, as what to do when a nose is made on you in the Conrail bar car, getting high on sniffing papaya leaves, and what do the Congressional records and Mad Magazine have in common? During drive time, news, weather, and commuter train delay reports augment the programmed humor.

Saturday night features six hours in a weekly remote broadcast from the emergency ward of the Bridgeport Hospital. On Sunday, the ethnic comedy assumes a religious hue. And from 10pm to 6am, in a program called "Running around the Bedposts", non stop Sinatra is hosted by Westport Starlet Bridget Ledoane. WGTR management claims that this program has profoundly effected the birth rate of Fairfield County.

Indeed, WGTR is a novel station, and very successful. If you are DX'ing on 1380 and you hear the announcer ask, "Why were the Irish blowing air through straws down into the cesspool?" or "How can you tell a Greek wedding?", Send your reception report to "Yeck-radio-14-WGTR"

The writer is deeply grateful to Bob Spagnola, P.D. of WGTR and Peter O'Leary, Opr. for their help in putting this station profile together, and for the stack of bumper stickers, shaped like a red comode, gurgling away, ascribed with "Flush twice - It's a long way to Ajax, Ontario", and "even your mother in law listens to Yeck Radio -14- WGTR's Bob will verify reports if a couple of new jokes are sent with the reports. I would also like to thank the Connecticut National Guard for the escort and the use of the Helmet and shovel.

Radio Park
Fairfield
Connecticut
06424

WRCQ

KQTY 1490

magic star

P.O. BOX 165 - BORGES, TEXAS 79007

DJs cultivate 'neighborly' on-air style

"It's a beautiful day, an' I'm so glad you're with me." Diane Davis' face crinkles into an infectious smile and her hands flutter in greeting.

All this animation is directed at a single, large, bulbous microphone.

"I never use a plural like 'well, folks.' It's always 'you,'" Davis explains a few moments later, when Willie Nelson supplants her voice on the air.

As she removes her headphones and turns around to face her guest, the twang disappears and the broad smile fades. "I try to be the friend next door who has dropped in for a chat."

Davis is one of the few women in Denver's competitive radio market who has her own daytime show, from 10 a.m. to noon on KBRQ-FM and from noon to 3 p.m. on KHHQ-AM.

She laced her enviable slots partially through carefully cultivating her audience. A more upbeat and younger group that favors country music with a bit of sophistication is her morning audience.

In the afternoon, it's still the country-western lover who is tuning in, but he is an older, more casual listener, who occasionally doesn't mind hearing Gene Autry's "Back in the Saddle Again." Just now, she was talking to him.

Davis (on maternity leave since this interview) said she modeled her radio presence in part on her favorite DJ back in Kansas when she was growing up. He called himself as "The Long Tall Texan," had a twang and "knew how to reach out of the radio and grab you."

A lot of it has to do with the voice and the personality of the DJ. Women DJs walk the fine line between sounding friendly and sounding sexy; the latter tends to turn off the female portion of the audience.

"You use your voice to emphasize the highs and the lows, to be captivating," said Kelly O'Neal of KJZ, "but not sexy. One guy might like hearing a sexy voice day in and day out, but most of your audience does not want that."

"It's very impersonal to talk through a mike and hard not to show that it's impersonal," said Anita Brooks Quick of KCFR. "But I find that when I'm talking and really communicating with my audience, I'm smiling, I'm gesturing, I'm engaging in a conversation with a friend."



Animation before that impersonal microphone is the only way Anita Brooks Quick, above, of KCFR believes real communication can be established between DJ and the audience. Kristie Blue, right, of KJZ pretends she's talking with a friend when on the air and at one time even kept a photo in front of her to help keep things natural. Conivance can mean a quick trip out of radio.



Beginning DJs are often advised to put a picture of a friend next to the microphone and pretend they are talking to that friend. For the first few years she was on the air, Diane Davis of KJZZ prepped up a picture of her mother before she went on the air.

"I pretend I'm talking to a good friend," said Kristie Blue of KJZ. She, too, kept a photograph in front of her for a while, but no longer does.

"I try to be myself," said Lisa Hartman of KVOZ. "People listen for the personality of the announcer, and they can tell quickly if you're faking."

"The more natural the DJ, the more successful," Jennifer Page of KVGZ said she believes. "Those who put on an act find themselves caught in a trap, and the job becomes stressful."

Besides being friendly, a woman DJ needs to be endowed with a voice that has a certain amount of timbre and depth. High, squeaky voices do not make it on the air; they lack authority and do not please the ear. Even more important is the talent that combines an ability to communicate with a dose of showmanship.

WDXL OPENERS DRAW S.R.O. CROWDS

East Rutherford, N.J. (Oct. 22) A crowd of 16,658 stood and gave the hometown New York Mets a standing ovation as the team walked off the arena floor last evening/this morning. And just about the only thing amiss with the tribute was its timing -- it had come after just one quarter had gone by, with the Mets comfortably atop their visiting World DX League opponents, the Pittsburgh Pirates, en route to a 30-22 out-tuning of their first-ever foes in the WDXL 1982 lidlifter.

The 16,000-plus could have gone home right then and there -- and perhaps gotten a good DX session in -- avoiding the huge traffic snarl. Instead, they stayed put for the remainder of the yammer.

"It was a bit of a downhill ride for us," admitted Met coach Doug Lamerson. "I was quite surprised to see sixteen thousand people show up to watch six people DX."

The large turnout was probably due to, in part, the celebratory atmosphere of any big unveiling. Latecomers to the match missed out on the colorful pre-opening night festivities, which included Hammarlund University's marching band and drill team forming their famed variable capacitor at mid-court... a wire-cutting ceremony greeting the World DX League to the Meadowlands with one neatly-executed snip of a small antenna by the lunary from which the arena gets its name -- former governor Brendan Meadowlands... and a speech in Morse Code by the programming consultant and research coordinator of the NB Beacon, Nanook Buffin, who got a huge cheer as he announced the A index as 2.

After the singing of the U.S. and Canadian National Anthems (both played simultaneously and fading out to an inaudible level at the end), the arena lights dimmed, and the ominous ticking of WWV-10 gave way to a resounding tone, a time signal of 11:51, and the DX began. The crowd hushed.

Roger Wade, the Mets' first-ever draft pick out of the car radio department of the Cold Spring Harbor Radio Shack, opted for a small solar-powered Zenith AM to DX on. Just into the match, the deftly-tuning top seed posted a "WCBS News Radio" up on the Mets side of the scoreboard at the 20-second mark and followed that up with a "WRAN New Jersey 1510" ID and a "66 WNNNNN-B-C catch (one which drew a derisive boo from the largely anti-NSP fans.

Wade's opponent, Pirate's ace Jerry Starr, then broke into the

scoring column with a "MINS News sine" ID, which rang through the hushed cascades of the audience. But the Pittsburgh starter was finding his HQ-180 a bit bulky to quickly tune. Besides, Starr remarked later, "Someone could program another radio station in between all that dead air on MINS."

Ten minutes later at 12:01, the first quarter was over, with the Mets on top 9-5. The deafening ovation was rivalled in volume only by the racket at the Coors' concession between quarters.

Wade shrugged off the homecourt advantage theory. Cleaning out his ears with cuetips in between quarters, Wade credited the Mets performance to Lamerson's rigorous pre-season training. "He had us listening to weather reports on everything from cheesy little Philcos with weak batteries and no dial, and Morse Code practice in the subway," Wade said. "If anyone coming through the parking lot before the game had said 'It sure is WARM out tonight', we'd have heard it."

Art Marino, considered to be the weak link in the Mets' lineup, was sent out "just to keep pace with whoever they sent out," he said later. "I'm a classical pianist. I hate this AM music". Lamerson, it's said, had the vet listen to a month's straight of American Top 40 to prepare him for the season. "When he hears anything more than three IDs in ten minutes he's a plus for us," said Lamerson. Marino kept pace with Pittsburgh's Mike Tibbrook, each netting six IDs. The Mets led 15-11 at the half.

Intermission highlights included a medley of marches put together by WDXL Commissioner Lefty "Ernie" Cooper... among the selections were "The Washington Post March", the "Louisville Courier-Journal", "The Phoenix Gazette", and "The San Francisco Chronicle".

The crowd at the Olympia counter thinned. Once more the lights dimmed. WWV intoned 12:29 am.

The Mets' John Javetski barely escaped back to the floor at the start of the third quarter, with his Met jersey torn off by a mob of Met fans... but took his place in front of a small Emerson five tube, across from Pittsburgh's Wes Boyd. Javetski provided the Mets with 7 IDs to 5 for Boyd, giving the home team a 22-16 edge. The Pirates challenged Javetski's logging of the WABC image on 1540, but in between quarters Lamerson showed the two officials the summer '82 results of the Arbitron -- which showed WABC's image on 1540 with a 3.7 share of the ratings.

There was no power failure in the final quarter for the Mets, as Wade spun the dials on what coach Lamerson described as "a questionable choice of radios", a small Zenith 500 transistor portable with an eleven-year old battery. From this small source of audio emanated eight more IDs for the Mets. Starr and Boyd each took turns, splitting the final quarter, but the hometown load proved insurmountable.

"Home team advantage," claimed Starr, dismissing the opening-night loss. "When we get then out in Pittsburgh on the tenth, it'll be different. The images here are incredible! I swear, in order to hear WNS, I had to null out a MHN image."

Lamerson lauded the opposition. "They're offense-minded, which I like," said the former hockey goalie (who still has the scars on the back of his neck from one frightful night in the net, when he suffered second-degree burns from the goal lamp). "Playing a wide-open game is a lot better than going up against one of those defense-minded crews, with that 455 kHz janning."

Starr, overhearing Lamerson's remarks while walking back from the Lowenbrau concession, looked at the Met coach in faked shock. "Where did they get you from?" asked the Pittsburgh winger. "Since the last time you tuned a dial, they've added three new continents."

Boyd, after returning from the Rolling Rock concession, told the press that he had been stuck on 640 for a few minutes in the third quarter, listening to what he later was informed was an X-rated flick at the Tetova Drive-In. "That would have been something to pipe through to the crowd," he said. "Imagine that

attendant's face tomorrow night when 16,000 people show up".

And Wade, towelling off sweat in the locker room afterwards, drank a brew from the Schlitz concession nearby, and explained some of the finer points between the U.S. style of play and the European style. "I used to be a lot rougher back before we had to wear earphones," he told the writers. "Yanking out someone's extension cord or kicking over their loop was largely ignored." He started to explain about how his Swedish ancestry prepared him for both styles of play, but was interrupted by a phone call from the White House, congratulating the Mets, and inquiring on how to best null Cuban stations.

Elsewhere... the sold-out crowd the Spectrum went through not only the entire coffee vendor troupe -- but three tank cars of No-Prills No-Caffeine instant, watching Dave Schmidt and the Philadelphia 73ers slip past the Newburgh Beacons 44-42 in triple overtime... Two of the Cleveland Insomniacs scored net tricks -- a domestic, a foreign, and an E/T-ing daytimer -- and downed the Cambridge Crystals 28-12... Harmon Killovatt's Minnesota Images annihilated the Phoenix Sunspots 40-23, largely through the virtue of purposely sitting out of range from WGGY's laser signal, which fried a Phoenix player's tape deck and melted the S-meter on an unplugged HQ-180... the visiting Milwaukee Beverages shocked the hometown Detroit Aerials 22-18, when one of the Motor City crew nodded out at the dial after evidently listening to the Larry King Show waiting for an ID. Finally, in a Western Division match, the San Francisco Tropo travelled to Juneau to play the Alaska Daytimers. In a dazzling display of Auroral rainbows, and through a hideous thunderstorm, the foes went into six overtimes before it ended a scoreless tie.



Kerby Bloopor
P.O.Box 24
Cambridge, MA 00634

The opinions expressed in this column should be kept to yourself, unless I like them, in which case, therefore, and thereas, I shall, maybe, could possibly place them in print at this point in time or thereas and whereabouts any other point in time....no there!!

Tag Mikkio, P.O. 974 Pittsburgh, PA
Due to the technical items which have appeared in DXSN00ZE in the past few months, I have been greatly enhanced by the electronicists of the various articles. Thus, I have replaced the xtal in my line-o-dine set with a TUBE and have been blessed with a whole new world of catches. Just heard in the last week have been such great catches as WCFB, WLS, WERF, WRVA, WQAI, and a foreign station, Radio Ulan Bator. I also heard my 1st West Coast station, KDKA in Pittsburgh, CA but the time checks were 3 hours off. Next week I'll hear that Arizona station on 1400 that everyone is hearing, I'm looking forward to that!

W P T Baruan, of Katchewane, NE
This has been a great summer for me so far. I recently took part in a contest and walked from my home to Cambridge, MA, and figured while there, I would drop off this Musing to the headquarters persons. I also took part in an eating contest with DDXD editor Schmid and I won! Not only did I eat all the food on the table, I ate the table and did three chairs in. My, did the Wizard on my WH07 shirt groan on that- hi! I had some interesting summer DX at work, figuring on my Radio Shack adder, I was able to figure the zenith of the sun with the reflection of a jet flying over Coudersport, PA and actually hear 2 minutes of WFRM-600 playing the song "Don't chp No more wood, Haw... Papa's Comin' Home With a Load", I guess Frank Fontaine sung that one. My local WWDG-1260 is the water fall station. indeed, everytime I tune past the station, water falls out of my radio!! Must go, have to sneak out a weather report to Metro-weather, even though they're our competition, hey pay very well! 834567829.00+44 equals somethin'.

Rocky Balboa, Pattison Place, The Spectrum, Philadelphia, PA 191453
Well, there was this station, ya know, and, uh, well they were coming in pritty loud, ya know, I mean like wow!, but just about when they was about to say where they was from, ya know, they faded. Gag me with a spoon!, ya knew. So I busted my radio, man. I mean like, just smashed it, I mean, like, gross me out, ya know.

Gomer Pyle, P.O.Box 800 Camp Lejeune, NC 28542-0800
Golly! The other night, this daytime station was on a little late, for shame, for shame. So, I cawled them, and well, they told me it was non of my business and some other things too dirty to tell you. No other DX heard, by Golly!

Clark Kent, c/o the Daily Planet, Metropolis, NY 10018
Not much DX to report, very busy w/other activities, like leaping tall buildings in a single bound, hi. One v/l in from KPCA-1580 AR asking how did I know so much about their station. It's the esse story. One stn I still have problems w/ is KRPT-850. Veries now stand at 5,021.

Johanny Fever, Dr., c/o WKRP Radio, 1906 Higher Ave., Cincinnati, OH 45219
I've been real cool, I like all my DX friends, but if you need a verification, dont write to me.

And now some words about the REAL NRC MEMBERS:

Job Changos:

Ted Fleischaker, as a tour guide at Disney World
Rich Levin, as a game show writer
Gary Carl Mitchell, as a public relations director for Westinghouse Broadcasting and consumer products division.
John R. Rieger as Director of the Public Assistance Division of the State Welfare office.
Mike Knitter to editor of USA Today

Did you know:

Jerry Bond was actually in Des Moines, IA when he heard KMWT-540, WOI-640, and KUON-770 on February 3rd.
Ken Chatterton actually has a beverage extending from Mannsville to Binghamton, NY.
Ken Hacharg actually hates Perry Como, Frank Sinatra, and Tony Bennett's music.
Dick Truax actually owns four Japanese receivers.

And Finally:

Daniel Bartok's secret of 100% verification is to enclose a fresh ear of corn and a pineapple with each report.

Jerry Bond announces he will sue WRTK for changing from WSAY, his favorite stn, but there is a compromise, as the station remains talk, but is now known as WJLB.

Tom Connatser will relive his first 2 years in the NRC with his memoirs in a book called, "My First Two Years", over 500 pages, to be published by Gilfer.

Ernest Cooper, still has a heart for typing and starts a new column, "What's my Verie", where numbers list hints to their weekly v/ls and Ernest blindfolds himself to guess the answer. Also, Ernest will be the head majorette and lead the Boston College Marching Band before the opening football game this September.

Chuck Hutton and Dave Schmidt agree to switch columns for one week. They try it, but Dave's column is lost in the mail, while chuck's typing ribbon wears out.

Terry Klasek guests on 'Real People' after they find out Terry has collected on b/s from every radio station in the U.S.

Mike Knitter suddenly gets 20 CPC reports accepting to test all on the same morning and the same hour.

Paul Mount guests on "That's Incredible" after they find out Paul has collected two b/s from every radio station in the U.S.

Neal Perdue is petitioning to have WKAC-1080 on 24 hours.

Dave Schmidt lost his scissors and suspends the DDXD column for one month.

Drew Techner is a classical music announcer and rises to the top on WQXR, but just as he is about to go on the air, there is a transmitter fire and the station goes off for a month.

Neil Zank makes the University of Nebraska football team and is a 2nd team line-backer.

* * TECHNICAL SECTION * *

By W. J. Horsebester,
P O Box 24,
Cambridge, MD

Here is probably one of the newest break-throughs in the field of radio listening, or as is known to us, DX'ing:

.....THE MONDAY MORNING TAPE RECORDER:

For the past year, experiments have been made with the use of a video tape recorder for MW listening purposes. The new NMR technique works in the following manner. First, a good, longwire antenna is hooked into the input of the VTR through a high-gain RF amplifier. Because of the ability of the VTR to record up to 4 megahertz high directly, the entire broadcast band is recorded on tape! All you do is hook it up and turn it on!

The second part is up to you. After the NMR is run all AM, the output of the VTR is connected to the antenna input of your HI receiver and the tape is then replayed. Since the entire broadcast band was recorded on tape, your receiver acts as a decoder and plays back the entire band, all you need do is pick out a frequency and listen for that hard to hear station. When your done on one spot, you can move to another and repeat the process! For LW and SWL's, this can also be hooked into your respective receivers for the exact same results.

Our experiments with this process produced some 163 stations from one NMR session in March! On the basis of these results, we expect to spend an entire season replaying tapes from one particular morning. And watch for tapes of "Classic MW Catches" coming soon to your local UHF station (tax and tags extra, batteries not included, offer void in Oklahoma and Mid-Nihil).

18 Ha, you DXing Devils, you - you thought you got rid of this column with the "end of an era", eh? Not on your tinypse!

Your old ex-editor has been real busy, trying to infiltrate the Moral Majority with Minorities.

We've been having some problems with engine, but we're in stable condition, says the doc. No, that doesn't mean I smell like a horse!

Cape Cod has proven to be a mysterious place for foreign DXing. There is virtually no TA reception, and oodles of SA signals. Strange, I move North and East, and the South signals get stronger and the Eastern ones disappear!

And signals get much weaker in the Summer - that's probably due to all the Summer vis tors with their big ghetto-blasters sucking up all the signals out of the atmosphere!

We hear one of our ex-members from Boston is going to appear on the ABC TV show, "That's Incredible!" (Sponsored by Miller's?)

Then we've found out one of our new members is entering into a new business. He's making special shoes for DX feet!

Now we hear there are new mini-powered radio transmitters aboard buoys in the South Atlantic area. Just the other day one of our Florida members heard "Radio Flotsam" while somebody in Georgia logged "Radio Jetsam".

And the E.R.A. crowd is objecting to the term "buoys". They want half of these things to be re-named "guirls."

We're having our troubles in Massachusetts with acid rain. Seems it is neutralizing alkaline batteries.

Now - one of the latest ideas in sports broadcasting is coming to Upstate New York where all games between the Mets and the Montreal Expos will be broadcast bilingually. When the Expos are up, the commentary will be in French, and when the Mets are hitting, it'll be in English!

There going to carry all the games of the Cincinnati Reds and Cleveland Indians in Western Ohio. Brad will Lovett!

We've come to a conclusion on this VOA signal on 1450 kHz. It just has to be on Swan Island!

Wouldn't it seem to limit the size of your audience if you as a radio station program for "all-new adult radio" fans. Seems to us that all new adults are exactly 21 years old, no?

Have you heard the new Sandenista station in Nicaragua - YNOT??? Their slogan is Y-Not?

Why did the driving DXer put his radio behind him? Because he was losing interest and said for him radio was taking a back seat.

Then there's the DXer who thinks "Cum Laude" is a gospel song.

We were chastized for having poked fun at Jerry Falwell, last year in this column. We do have to agree - Jerry Falwell indeed isn't funny. He's dead serious, and that's serious.

We want to congratulate the IRCA on its anniversary - it's 21 years old right about now! We certainly don't hold the origin of the IRCA against them - remember the great nation of Australia was started by British deportees! As the goat farmer said, 'I kid you not.'

We hear Worcester Electronics is coming out with a new indoor antenna. Instead of a ferrite rod, it will use a hard rubber rod, which should stretch reception out an extra thousand miles.

A DXer recently reported hearing a song by Queen. Wonder if it's anyone we know?

Where will the NRC Convention be in 1984? No one yet knows, but Herman Kerman wants to hold it in Sherman, and Bruce Grace suggests Brice. And Arnold wants to hold it in Bakersfield.

One of the touchy subjects these days in NRC is FM. Should we, or shouldn't we? That is the question. Around Cape Cod, WOMR-FM means - We're Outergoat Radio - Forward March!

19 The NRC is reputed to be all BCB, or as they call it these days, AM DX. But we're beginning to branch out - there's Longwave in it these days, also short wave, all the way up to 6th harmonics - and there's computer programming - and then there's this ridiculous column, too! Can THIS be better than reading about FM?

And how about some of those "Look how smart I am" articles?

We wonder - is it possible that the presence in our atmosphere of FM signals causing the decline in AM signal strength, particularly to the East & West?

Pretty possible - ever since WOMR sent on on 91.9 MHz a year ago, ol' ERC hasn't been able to hear even one European signal!

Or maybe it's that other NRC that's doing us in - you know - the Nuclear Regulatory Commission. Maybe it's these nuclear power plants all over the land that's driving away the distant AM signals.

We see that there is now a WMMN in Flint, Michigan, with an all-female air staff, catering to female listeners. Wonder what the ERA would say were a station like WMMN install an all-male staff and cater only to men? "ow, there'd be some high-pitched screaming around Mansfield - or Womensfield.

We thought it kinda funny when we logged a Black station with light GRM.

Baseball has already suffered two strikes. The next one will do the game in, we fear - Strike Three and you're out!

One member reported hearing a daytime station signing off on a clear channel, "poor and alone". We've always felt sorry for the poor and lonely.

We hear many daytime stations crying the blues about archaic laws when they sign off and say they are being forced off by the FCC's archaic laws, ad nauseum. They don't tell their listeners that they themselves applied for exactly those facilities - that frequency, and daytime hours of operation!

Now we as DXers are hearing all sorts of new terminology connected with the computer world. Always thought "software" was sissy's underpants!

1450 is something like teen-age pimples. You never know when it'll clear up!

Now that there is a WSEX on the FM band, perhaps some of the NRC members will lobby for an FM section after all!

We like the slogan of KICU - "Peek-a-Boo Radio - I See You"!

We ran into Anita Bryant the other day in New York and her hair was a mess. We couldn't help but ask her what happened to it. Her reply was a curt, "Well, it's really none of your business, but ever since I started my campaign, I can't find anybody to do my hair!"

What position would a naked man most likely play on a baseball team? That's easy! Center Field!

We met a guy on St. Patrick's Day who was half Irish and half Jewish. What does he see when he gets drunk? Of course - Leprachens!

Hey, how about no addresses of the new members in DX NEWS? There's fear somebody may seize those sites and rip them off of their DX equipment. We'd best not mention, we whose addresses are well known then, when we are going to be away on vacation!

You've heard them say on radio dramas "Only the names have been changed to protect the innocent." Now NRC is saying, "Only the addresses are changed to protect the affluent."

Anyway, remember this for next February. If you're going to send Abraham Lincoln a birthday card, be sure you send it to his Gettysburg address.

O.K., your old ex-Editor is finished for another year - now it's back to being "Your old left-handed bandmaster" again on WOMR every Saturday morning. Please excuse this throwback into times gone by. I know you won't believe this after reading this section, but some people in the WOMR audience actually compliment me on my sense of humor! Says something for the average age intelligence around here, no doubt. Anyway, fare thee well for another 365 - oops - make that 366 - next year is leap year!

ERNEST K. COOPER

WOMR

14 Center Street
P.O. Box 82
Provincetown, MA 02657

91.9 fm

APRIL FOOL

Larry King recently had an interview with a doctor who cured a woman that thought she was a slot machine and spit out nickels everytime she would cough! But before doing it, he managed to get 200 half-dollars and become a rich person!

If bricklayers can lay bricks, why can't plumbers lay plumbs?

Sign in a dentist office: "Always be true to your teeth and they won't be false to you!"

Some items on a slow news day in Youngstown, Ohio...."Jerry Starr places last in a Jerry Starr look alike contest....the post office reports the official zip code for the Gettysburg Address....the cithes famous piano artist makes history by painting 14 pianos in a local music store....Charlie Brown resigns from the famous comic strip, saying that he was tired of working for peanuts...."

People with split personalities should never be lonely....they always have someone to talk to!

In a recent promotion, a local Pennsylvania Electric Company issued the following money saving slogan...."Don't forget to turn off your lights! Thanks a watt!"

A sign displayed in a religious bakery: "You're the object of our confections."

A sign in the kitchen of a religious school: "Our coffee urns its praise!"

Recently a state senator made quite a fuss after he put his hand under the bottom of a seat in a local movie theatre and getting it very sticky....he said they needed stricter gun control....

An Atlantic City traffic advisory...."Don't gamble in traffic because the cars will soon be stacked against you!"

Then there was the track runner who was so religious that he would run without his shoes.... On an interview he said he did this because he was a sole saver!

Larry King recently had an interview with a professor who was making a study on why pelicans at a zoo would eat herring faster than sardines. The conclusion of the study was that the smaller fish just didn't fill the bill!

A new dentist from the far-east recently opened an office in the United States that used a special method of pulling teeth....he would use hypnosis! Now you could say that it's real transcendental medication!

Recently a caller to Talknet said she was going crazy, her world was coming apart at the seams, when the host asked what she did in life to make her this way, she mentioned that she was a dressmaker....

A true test on being in fine command of a language....keeping your mouth SHUT!

In another call to talknet, a woman called and said that she felt her husband was acting strange and a little unbalanced. When the host asked what he did for a living, she said he was a bookkeeper....

Larry King recently interview the person who wrote the book "One Hundred Ways To Earn Money." A few days later, Mr. King saw the same person standing on the street corner begging for money! When asked why he was doing this, he said it was reason number 6 in his book!

Did you recently hear of the boat company representative that was fired from his job? That's a sure way of taking the wind out of your sales!

In still another call to the "Problem Hour", one person rang the number and said his life was suddenly going down the drain. When the host asked what he did in life, he mentioned he was an unemployed plumber....

A recent ad was run for a local produce market and an English professor complained that they were using bad grammar in the text of the commercial. All they said for their special of the week on watermelons was that "they were the best you ever seed."....

Recent ad for a fruit stand operator...."Special this week on Cider....get it early as it may be hard later."

Did you hear about the nurse who was fired from her job in a psychiatrist's office for telling a friend on the phone during a busy day that the office was a real madhouse?

Talknet cured a caller from using the phrase "Holy Mackerel"! They gave him the name of a fish market run by a preacher!

A Nevada radio station recently had a lead story of a mental patient who escaped from a hospital and got into a casino. Before they found him, he had won over \$1000 on a slot machine! The lead-in to the story was "Crackpot hits the Jackpot".....



VOLUME 50 ISSUE 24

APRIL 4, 1983

INCASE YOU DIDNT NOTICE....THIS IS THE REAL DX NEWS !!!

AND NO THE IRCA HAS NOT FOLDED (AT LEAST I HAVEN'T BEEN TOLD,HI).I HOPE YOU ENJOYED THIS YEARS APRIL FOOLS ISSUE. OF COURSE THE NEWS CLIPPINGS AND THE PICTURES WERE REAL BUT THE STORIES AND COLUMNS WERE NOT. AND I ALSO HOPE EVERYONE WHO'S NAME WAS MENTIONED IN THE APRIL FOOLS ISSUE WILL TAKE THE WORDS SAID LIGHTLY, THANKS.

NOW ONTO SOME REAL BUSINESS.

FROM THE MAILBAG - VIA BRIAN PITMAN. HE WRITES SAYING THAT IT NOW COSTS 37¢ TO MAIL A LETTER FROM CANADA TO THE US. AND TALKING ABOUT STAMPS IF YOU NEED SOME CANADIAN STAMPS FOR YOUR RECEPTION REPORTS OR IF IN CANADA YOU NEED SOME US STAMPS WRITE TO BRIAN. ENCLOSE THE PROPER CURRENCY AND AMOUNT FOR THE NUMBER OF STAMPS YOU WANT AND AWAY YOU GO!

FROM THE MAILBAG - VIA BOB MILLCAREK. LAST YEAR AS YOU KNOW HE STARTED UP THE NSP CPC PROGRAM. INTERESTED IN SEEING IF NSP STNS WILL SIGN OFF LONG ENUF SO THAT A NOT SO EASY STN COULD BE HEARD? THEN WRITE BOB AND ASK HIM YOU'D LIKE TO HELP OUT ADDRESS: 3131 S. NEW YORK AVE. MILWAUKEE,WI 53207

FROM THE MAILBAG - VIA BRAD LOVETT. "AN ALL WAVE GTG WILL BE HELD AT THE DAYTON HAMVENTION SUNDAY, MAY 1ST AT 10AM EDT. WE INVITE ALL TO ATTEND. THIS IS THE 1ST TIME THAT AN EVENT HAS BEEN PLANNED FOR DX LISTENERS WHO COME TO THE HAMVENTION. THE HAMVENTION IS HELD AT HARA ARENA, DAYTON, OHIO. SPONSORED BY THE MIAHI VALLEY DX CLUB."

LAST ISSUE I RAN THE ANARC CONVENTION REGISTRATION FORM, BUT I FORGOT TO RUN THE PROGRAM AGENDA. SO THIS ISSUE I'M RUNNING THE PROPER PROGRAM. AND WHILE I'M AT IT WE SHALL RUN THE NRC CONVENTION INFORMATION AGAIN. (REMEMBER SAVE YOUR PENNIES. AND DIME FOR THE BIG ONE ON LABOR DAY WEEKEND.) PAGE 47 IN THE CORNER,HI.

CONTAINED HEREIN IS A "SAMPLE" OF THAT COMPUTER PROGRAM THAT WAS RAN IN THE LAST ISSUE OF DX NEWS. CHECK OUT PAGE 32. AND A SPECIAL TREAT. ON PAGE 30 AN ARTICLE FROM THE DX AUSTRALIA MAGAZINE ON IDENTIFYING STATIONS.

CPC TESTS (TIMES ARE E.L.T.)

NONE THIS ISSUE, BUT ON PAGE 46 YOU WILL FIND THE TIP TRADERS PHONE LIST, IF YOU WERE ON IT, YOU MIGHT HAVE CAUGHT KBCO-1020 WHILE KOKA WAS OFF THE AIR ON MARCH 26TH. SEC...IT PAYS TO BE PART OF THE TIP TRADERS LIST !!!

ONE QUICK LAST NOTE: WE ARE NOW BI-MONTHLY (NOT BI-WEEKLY AS I STATED LAST ISSUE). THE REST OF THIS VOLUME LOOKS LIKE THIS:

ISSUE	MASTHEAD DATE	PUR SESSION DATE
25	APRIL 18	APRIL 10
26	MAY 9	MAY 1
27	JUNE 13	JUNE 5
28	JULY 18	JULY 10
29	AUGUST 29	AUGUST 21
30	SEPTEMBER 26	SEPTEMBER 18

MIKE
Sue

LOOK INSIDE:

22....AM SWITCH	27....IDXO	32....COMPUTER EXAMPLE
22....NEW MEMBERS	29....ANARC CONVENTION PROGRAM	34....MISINGS
23....DDXD	30....STATION IDENTIFICATION	46....TIP TRADER LIST
26....RADIO NOTEBOOK	31....RADIO BROADCAST MAGAZINE	47....NERIE GAME

THE WORLD'S OLDEST AND LARGEST ALL MEDIUM-WAVE DX CLUB

JERRY STARR
C/O WSRD RADIO
401 N. BLAINE AVENUE
YOUNGSTOWN, OHIO 44505

CALL LETTER GRANTS/APPLICATIONS: NONE

APPLICATIONS FOR NEW STATIONS:

1040 Powell, TN 5000 D1
1070 Big Rapids, MI 10000/1000 U4
1130 Parrish, AL 1000 D1
1160 Ferndale, CA 10000 D1
1170 Sahuarita, AZ 10000 D1 (there is a previous pair of applications for 1210 kHz in Sahuarita still also pending)
1520 Oak Harbor, WA 5000/5000 U4 (a 2nd Oak Harbor application for 1110 kHz is still pending)

GRANTS FOR NEW STATIONS:

700 Silt, CO 50000/1000 U2
1400 Andalusia, AL 1000/250 U1
1410 San Sebastian, PR 1000 D1
1490 Beaufort, SC 500/250 U1
1510 LeJas, PR 1000/1000 U1
1560 Breen, CO 10000 D1 (500 CH)

APPLICATIONS FROM EXISTING FACILITIES:

580 WKAQ San Juan, PR power to 10000/10000
900 WCDR Lebanon, TN power to 5000 D3
1380 WMMG New Bern, NC asks for reconsideration of it's application to move to Trent Wood, NC and add nighttime power of 5000 directional
1490 WSDC Hartsville, SC day power to 1000
1600 WONY Dansville, NY day power to 1000

GRANTS TO EXISTING FACILITIES: NONE

73 and Good DX,

Jerry & B.K.F.

Jerry Starr & Buffalo K. Foonman

WELCOME

RICHARD MANNING OF FARMINGHAM, MA
PETER PAUL RUGGIERI OF WARWICK, RI
JIM PAIGE OF WINDER, GA
NORMAN SHACAT OF MCFORD, MA
ROBERT ADAMS OF PAINTED POST, NY
ARTHUR HALLIDAY LAURENT OF ALEXANDRIA, VA
WALTER ROGERS OF JACKSON, MS
CARL J. HANSON OF DURANGO, CO
RUDOLPH J. REHM OF LA JOLLA, CA
DENNIS BAUMGARDNER OF OAKLAND, CA

RENEWALS:

J. BRUNS, J. REILLY, A. RUGG, M. ROTH,
A. MARIANI, C. REH, B. DULMAGE, W. BENK-
INNEY, H. McDERMOTT, S. MARSHALL, J.
LOCKWOOD, J. SHIELDS, S. ROMAIN, K. ONY-
SCHUK, J. SANFORD, J. SMYIER, J.C. DOH-
ERTY, N. PERDUE, T. BOWLING, S. LEEDOM,
J. TUBENHAM, B. ZACKS, J. RENFREW, D.
SAMER, D. MARSH, O. BELANGER, D. MONFER-
INI, J. BOWKER, G. SANTULLI, AND L. BERR-
MAN.

THANKS TO ALL OF YOU - SUPPORT THE COLUMNS AND MUSE OFTEN !!!!!!!

Here's the latest I have re what's going on with Radio Marti: As we know, the previous bill passed the House and made it all the way to the Senate floor during the lame-duck session, where it would have passed easily into law were it not for the time pressure that made it easy for a filibuster to succeed - which it did. That bill called for Radio Marti to commence operations on 1040 kHz from a 4-tower facility located on Saddlebunch Key, 15 miles east of Key West. Many AM broadcasters, alarmed by possible retaliation by Cuba, raised strong opposition, especially WHD-1040 and WDN-590. It was, in fact, a senator from Nebraska who led the successful filibuster. * Last month, two nearly-identical bills were submitted to Congress: The Administration sent one to the House while Florida Senator Paula Hawkins introduced one in her domain. The new concept calls for Radio Marti to operate within the AM band only on existing stations; i.e., use the VOA relay station in Marathon or otherwise lease time on commercial stations - either domestic or foreign. My sources in the State Department were quick to point out to me that the bill does NOT restrict Radio Marti from operating anywhere outside the 535-1605 kHz standard broadcast band, leading to probabilities that State is seriously considering; that, unfortunately, is classified information. Controversy over the new bill has to do with using VOA facilities for a propaganda station, something that could mar the VOA's fine reputation for objectivity. * Personally, I strongly support Radio Marti, since it would be the only bargaining power we have with the Cubans, whose contamination of the airwaves in this Hemisphere will turn the ECB into a jungle very shortly - unless they're stopped soon! (RFS)

DAVE SCHMIDT
42 CHESEWYNE RD.
CASTLE HILLS
NEW CASTLE, DE 19720

Here is the official NRC column which is equal in excitement to a game of squash played with M & M's! When sending your items in, please type or neatly write, skip a line between items, EST, deadlines are Saturday (typed up Sunday/Monday/Tuesday, time/tips/mail permitting). And away we go:

SPECIAL:

850 WYFR CT RICHFIELD - This CP is still not on as of 3/7. (W1Z-CT)
910 WALT MS MERIDIAN - 3/5 0000 u/WJCH w/Super radio satellite delivered Adult Contemporary format, ex-BFL music. On hour ID no longer mentions Cable stereo 98. Used to be my favorite station. (TC)
1130 WHHQ SC HILTON HEAD ISLAND - 2/27 0700-0715 strong in WNEW's null w/no data s/on, news headlines and weather into gospel music, new station, ID's as "1130 Q". (KG-PA)
1230 WFAI NC PAYETTEVILLE - 3/3 now an MYL station, heard 1755-1805 strong in WEXX null w/MYL music, news and weather on hour, ID's as "The New Sound of AM 1230." (KG-PA) My rumor confirmed!
1260 WWDC DC WASHINGTON - 3/6 0226 noted running "Unforgettable Music", MYL type format, so "DC 101" must've flown away....finally! (DS)
1290 WHKY NC HICKORY - 3/7 atop freq. this AM w/LP rock music, blocked w/little talk, FM ID's given. (DS-DE)
1450 WKRI RI W. WARWICK - Per call to station, address is 1585 Centerville Road, or P O Box 426, 02893. (KG-PA)
1480 WDAS PA PHILADELPHIA - 3/5 2300 noted running Spanish program while passing thru Philadelphia, talk and music, don't know if this is a nightly thing, still B/Sol w/talk/music days. (DS)
1590 WOGL MS JACKSON - 3/5 0015 noted w/Top 40 music, 1590 G-G-L ID, dropping CW format. (TC-TN) 3/2 2000 automated Top 40 music, legal ID noted. (BL-OH)



DX TESTS:

560 WHND Heard: KG-PA, DS-DE.
Not heard: RA-MA.
ZZZZ: TC-TN.
900 WLMD Not heard: RA-MA.
940 WYKX Heard: KG-PA.
1110 WHIM Heard: BP-ON.
1540 WMDO Heard: RA-MA.

FREQ. CHECKS:

1st Fri - WFOY-1240 0015-0025 w/TT, ID's every min., per list. (BP-ON)

MIDDAY - MIDNITE:

560 WHBQ TN MEMPHIS - 3/2 2133 noted w/car ad, ID. (BL-OH)
CFOS ON OWEN SOUND - 3/1 1812 fair, steady signal w/local news and "Working Girl of the Month" contest. (HJH-PA)
630 CPBK ON HUNTSVILLE - 3/1 1841 in briefly w/ad w/request for more information to call station. (HJH-PA)
690 WTIK LA NEW ORLEANS - 3/2 2141 w/50th anniversary promo. (BL-OH)
710 WDSM WI SUPERIOR - 2/28 1825 good at times w/CW music, ad for furniture store, promo for Bargain Bag and 71 Game. (BP-ON)
850 WYDE AL BIRMINGHAM - 3/2 1851 Top 40 music, ID. (BL-OH)
KEYH TX HOUSTON - 3/9 1914 Spanish music and talk w/Houston mention, ID. (BM-WI) Was looking for FIRE WATER, town famous for...ugh!
860 WABC GA ATLANTA - 3/4 1835 ID as "Love 86", heard in mess, believe station is still running B/Sol format. (TC-TN)
910 KLCN AR BLYTHEVILLE - 3/2 s/off w/PM mention 1851, in clear w/WPPB null. (BL-OH) Didn't verify report from here....(DS)
950 KXJK AR FORREST CITY - 3/2 1907 Argi-Eye weather promo, ID. (BL-OH)
UNID 3/2 1907 opera w/female signer in w/KXJK/WORD, no ID's noted while listening. (BL-OH)
WORD SC SPARTANBURG - 3/2 1915 end of CBS sports, ID. (BL-OH)
970 WFUN OH ASHTABULA - 2/27 1615-1635 on top w/rock music, clustered ads, ID, well before sunset. (W1Z-CT)
1000 WXTN MS LEXINGTON - 3/2 1918 s/off w/SSB, good in WCFL null. (BL-OH)
WMPZ GA SUPERIOR - 3/3 1845 s/off noted, brief data, no. SSB. (W1Z-CT)
1030 UNID 3/2 1800 someone noted u/WBZ, English noted but to weak to pull ID. (W1Z-CT) It was the Jollo Islands, shakey signal.
1170 WAMB TN DONNELSON - 3/6 1820-1830 on CH power, atop WYVA w/MYL stuff, CP still not on per call to station. (W1Z-CT)

KR71 RADIO 1580



24 1190 KJEM AR BENTONVILLE - 2/1 1900 poor/fair w/WOWO w/ID, possible s/off. (KDF-IL) If you didn't hear anymore, I'd say a s/off! (DS)
 WHIY AL MOULTON - 3/4 1855-1900 fair w/ads, CW music then s/off, mentioned 2500 watts, no SSB. (TC-TN)
 1220 WFAX VA FALLS CHURCH - 3/6 1806 Bible tape offer, phone number given, use Visa or Master Charge! (JN-NY)
 1230 WISP NC KINSTON - 3/3 1750-1800 in/out w/WFAI w/Dragnet, local ad, into news on hour, WEEI was nulled. (KG-PA)
 1250 WETU AL WETUMPKA - 3/4 1843 in mess w/s/off, 5000 watts mentioned.(TC)
 1270 WBHC SC HAMPSON - 3/8 1913-2007+ this guy assumed to be running soul music, Mutual sports and news, ads for area. Only ID's heard were for B 103 and WJBW, their presumed PM sister, evidently forgot to shut AM down. Reported. (TC-TN)
 WEIC IL CHARLESTON - 3/8 2100-2105 this guy showed after WBHC finally went off, fair w/news, weather, CW music, w/Cuban under. (TC-TN) Nothin' better than a USA'er on top of a Cuban-hi!
 1290 WYEA AL SYLACAUGA - 3/4 1901 caught tail end of s/off w/plug for WNLS PM 98.3. (TC-TN)
 1300 WKXI MS JACKSON - 3/2 2131 ID/soul music. (BL-OH)
 1310 WDOD TN CHATTANOOGA - 3/2 2118 w/CW music, As news, ID. (BL-OH)
 1320 WAGG AL BIRMINGHAM - 3/6 1848 lots of jive talking, mentions of Birmingham. (BM-WI) Jive?
 1370 WDEF TN CHATTANOOGA - 3/2 1916 promo for News Note then Patti Page promo, xint signal! (SM-WI)
 1380 WYWK LA BATON ROUGE - 3/2 1912 noted w/s/off, ID several times, ended w/"bye Y'all!". (BM-WI) Replaces SSB. (DS)
 WIZO TN FRANKLIN - 3/2 1914 w/mention of the "Wizo Cowboy" at local car dealer. (BM-WI) When does the next bus leave? (DS)
 1390 WFLM MA PLYMOUTH - 3/8 1821-1827 local news, weather, good signal but lost to WEAM. (TP-CT)
 WTJS TN JACKSON - 3/2 1940 w/MYL, female anc'r, ID. (BL-OH)
 WDOX NY FOUHKEEPSIE - 3/6 1800 s/off w/mention of 101.3, anc'r mentioned "Country Club", noted thru pest WPL. (JN-NY)
 WCSC SC CHARLESTON - 3/2 1925 above others ending rock song, hyper sounding DJ, ID. (JN-NY) Took a vitamin-hi! (DS)
 1400 WHMP MA NORTHAMPTON - 3/6 1756 good w/time check, news promo, female anc'r. (JN-NY)
 WABY NY ALBANY - 3/6 1756 MYL, MYL promo's, ID as "1400 AM", noted o/a WHMP. (JN-NY)
 1410 KQV PA PITTSBURGH - 3/10 2005 portion of P'burgh hockey game noted.
 1430 WWVQ FL PANAMA CITY - 3/8 1853-1855 good w/CW music, news. (TC-TN)
 WNKZ TN MADISON - 3/8 1855-1913 fair/good in WWVQ null w/CW music, news, finally got a sure ID on this w/WJKZ FM 100.1 Franklin, Stations simulcast and use slogan "KZ Country", no sign of usual WIRE this evening. (TC-TN) You made your quota! (DS)
 KCOH TX HOUSTON - 3/9 1930 noted w/s/off w/xmtr and studio location.(BM)
 1440 WZYX TN COWAN - 3/8 1845-1847 on a bit late w/s/off routine w/Woody Woodpecker song, That's All Folks, etc. Formal s/off then noted w/mention of 5000 watts, xint signal! (TC-TN)
 WHHY AL MONTGOMERY - 3/2 1905 CW music, evidently no longer talk, LP giveaway, various promos (Zoo Weekend!), mentioned "the station that makes weekends special." 20 minutes solid copy in splash of local WENE-1430. (JN-NY)
 1450 WJQI NC NEW BERN - 2/21 1938-2000 on top w/weather, radio ad promo, MoR music and ID's as "Radio Joy." (KG-PA)
 WKRI RI WEST WARWICK - 2/26 1840-1843 on top briefly w/pop music, program promo, local ad, weather by female anc'r. (KG-PA)
 1460 CKRE PQ ST. GEORGES DE BEAUCE - 2/28 1806 noted w/French talk, ID.(BP)
 1470 WLAM ME LEWISTON - 2/25 2200 w/Maine hockey, ID, mixing w/WSAN/OKG.(TP)
 WSRO MA MARLBORO - 3/4 1846 ID w/slogan for "The Station of the Year", quickly taken o/by WSAN at pattern change. (JN-NY) What year?
 WINH SC GEORGETOWN - 3/2 1829 just caught start of s/off w/ID after quiet music. (JN-NY) Excuse me....zzzz!
 WRGA GA ROME - 3/2 1832 noted after WINH g/off w/ABC news, local bank ad, weather, good signal. (JN-NY)
 1480 WBTS AL BRIDGEPORT - 3/2 1842 offer for free religious news paper, s/off w/location of offices/studios, SSB. (JN-NY)
 WYZE GA ATLANTA - 3/2 1844 noted after WBTS s/off w/s/off w/"the very best to you and yours." No SSB. (JN-NY)
 WABB AL MOBILE - 3/2 1852 radio ad promo, ID, weather, MoR music, very good signal. (JN-NY) 3/2 2048 noted w/ID, ticket give-away. (BE-OH) 3/2 1900 1st time for this one thru semi-local WISL, "Playing your favorite music and keeping you informed", into AI news w/ID. (HJH-PA) Interesting reception.....
 1490 WSNT GA SANDERSVILLE - 2/26 1815 noted w/weather, ID, rock music, verified in 6 days! (TF-CT)

1520 WGMA NC SPINDALE - 3/2 1831 caught tail end of s/off w/mention of owners, to return 0645, loud and way o/all. (JR-NJ)
 1530 XGTN TX GEORGETOWN - 3/9 1945 xint signal, local like w/detailed s/off, mention of 96.7 FM, 1000 watts, studio/xmtr locale.(BM)
 1550 WYOU FL TAMPA - 3/2 1845 s/off w/mention of 10000 watts, 0600 s/on and Spanish programming. (BP-ON)
 1570 WCSR GA MILLEN - 3/2 1844 s/off caught when tuning to freq., noted one ID and no location given! (HJH-PA)
 WCRL AL ONEONTA - 3/2 1845 weak at s/off, making one of it's many appearances this year. (HJH-PA) Once to many? (DS)
 WCLE TN CLEVELAND - 3/2 1845 w/s/off, fair, o/portion of WCRL s/off, noted w/usual Air Force Band anthem. (HJH-PA) The SSB or music to apply left handed bath tub wax by? (DS)
 1580 WESY MS ERLAND - 3/2 1930 w/s/off, 15 minutes late according to ESS maps, weak w/B/Sol format, mentioned 5000 watts and tuning WBAF-FM in s/off. (HJH-PA)
 WILA VA DANVILLE - 3/6 1830 poor w/s/off, invite to tune in tomorrow, anc'r speaking on behalf of station! (JN-NY)
 WTYO NJ HAMMONTON - 3/2 1650 w/ads for S. Jersey, sports, fair. (JN)
 1590 WATM AL ATMORE - 3/2 1849 nice steady signal w/rock music, slogan is "Atmore's AM!", mostly alone. (HJH-PA)
 1600 WRBN GA WARNER ROBBINS - 3/2 1835 briefly atop w/GA network news, weather into music, ID as "WRBN AM 1600." (BP-IN)

MIDNITE - MIDDAY:

560 *WFIL PA PHILADELPHIA - 3/7 0325 noted off this AM. (DS-DE) 3/7 0222-0230 off regular AN sked, noted w/TT/ID. (KG-PA)
 *WOOF AL DOTHAN - 3/7 0220-0233 noted w/ET w/music, ID given at end of test. (KG-PA)
 WJLS WV BECKLEY - 3/7 0259-0302 into news on hour, spotty thereafter w/WFIL off. (KG-PA) Nice loggings, Kermit! (DS)
 850 WEAR FL W. PALM BEACH - 2/28 0500+ weak w/ID, CNN news. (BP-ON)
 990 WFKW RI PROVIDENCE - 3/4 0603-0625 news, sports, weather, MYL type music, soon lost to WNTY. (TP-CT)
 1000 WCMX MA LEOMINSTER - 3/1 0600-0615 strong in WCFL's null w/full data s/on and religious message, into news, weather, CW music.(KG)
 1130 WJTP NC NEWLAND - 2/27 0715-0719 on top in WNEW's null w/CW music, times, local PSA's. (KG-PA)
 WPYB NC BENSON - 2/28 0659-0715 xint in WNEW's null w/s/on and 23rd Psalm, CW music, ID's as "All American Radio." (KG-PA)
 WPUJ FL BARTON - 2/28 0705 s/on w/mention of "The best in country radio", fair until 0715 w/CW music in WNEW null w/WPYB.(KG)
 WMGA GA MOULDERIE - 2/28 0715-0740 o/all w/WNEW nulled w/GA, Network Farm News, news headlines, weather, ads, Family Circle Magazine program and Ga. Network Sports. (KG-PA)
 WCXI MI DETROIT - 2/28 0743-0750 strong in WNEW's null w/CW music, traffic reports and weather. (KG-PA) He had a field day!
 1190 CHTN PEI CHARLOTTETOWN - 2/26 0643 atop w/Solid Gold Weekend. (TP-CT)
 1230 WBZA NY GLEN FALLS - 2/14 0114 w/ID and EZL music, first time noted on new frequency. (BP-ON)
 WJMO FL W. PALM BEACH - 3/3 0514 fair-weak w/fading, local talk show, several ID's noted as well as phone number. (BP-ON)
 1240 WWND NY SCHENECTADY - 3/7 0354 very strong w/trivia questions, "3-W-D" jingles, oldies/rock music, w/WGBB. (DS-DE)
 1290 WVOW WV LOGAN - 3/5 0555-0603 clustered commercials, UPI news, many WV mentions, ID'd often as WLWG, call change? (TP-CT) Don't know, maybe an FM simulcast as it doesn't ring a bell here. (DS)
 1310 WJLK NJ ASBURY PARK - 2/24 0550 ads, news, weather but lost to WVIP.(TF)
 1350 WNIS VA PORTSMOUTH - 2/26 0543-0605 w/talk, ID, good in WNIS null, veric back from this holdout in 6 days! (TF-CT)
 1380 WAMS DE WILMINGTON - 3/6 0215 noted conducting Pop w/TT, OU. (DS-DE)
 1430 WDEX NC MONROE - 3/7 0757-0805 fair in WNJR null w/lots of ID's, weather, ads, contest. (JR-NJ)
 1450 WCTC NJ NEW BRUNSWICK - 3/6 0128 w/record artist/titles contest for songs played, weather, ID, atop pile. (JN-NY)
 1480 *WSAY VA SALEM - 2/27 0126-0141 noted w/ET w/music and ID's, s/off at 0141. (KG-PA)
 1490 WDFI TN BRISTOL - 3/3 0150 news, accented anc'r o/jumble. (BL-OH)
 1550 *WHYW PA BRADDOCK - 2/22 0157-0205 on top of channel w/ET, ended w/ID, and Willie Nelson music, good signal. (RA-MA)
 1570 WOKG OH WARREN - 3/5 0602 o/all at s/on w/announced PSA power of 135 watts, soon lost to co-channel hash. (KG-PA)
 1590 WASY ME GORHAM - 2/28 0048-0205 poor to good in WAKR's null w/oldies, weather, NBC news on hour and many ID's and promo's, w/WPTH prior to 0105. (KG-PA)



WRVA RADIO
THE 50,000 WATT VOICE OF VIRGINIA

Alive... WIRE

WVK 1420

26

1600 WJNJ FL ATLANTIC BEACH - 2/10 0600 good w/s/on then SSB, only 2nd time heard. (KDF-IL)
 WSLK KY HYDEN - 2/12 0600 noted atop briefly w/s/on. (KDF-IL)
 WKZK SC N. AUGUSTA - 3/8 0600-0603 w/full data s/on by Brother Al, into soul music, fair in WHOL's null. Mentioned studio/xmtr in Augusta, GA but licensed to N. Augusta, SC. (KG-PA)
 WRNC NC REIDSVILLE - 3/9 0530-0600 good in WRRL's null w/ABC news, program promo, weather, music, lost to WARR at 0600 s/on w/PSA of 218 watts per announcement! (KG-PA)

PIRATES & c:

MIKE REID, Willowdale, ON reports one of interest:

1622 "Radio Caroline" 2/20 0007 noted intermittently w/rock music over the next hour or so, poor signal. Around 0015, started tuning VFO about 10 khz while playing music. Also mentioned on phone call to PRN-1616 on 2/20 0007.

Mike also reports hearing the usual WART, WGUT, KPRC and PRN.

OF INTEREST:

WMPT-1450 has dropped rock/Top 40 in favor of Music of Your Life.....

On my trip to NJ a few weeks back, we noticed the empty spot on 1460, WJZZ was not there. On a recent phone conversation w/JOHN BOMKER during his Sunday night swing at WING-1500, he mentioned their absence. Meanwhile, TONY FITZHERBERT bags them at his CT address on 2/27 0627 w/rock music, and an ID.....they were running rock music when I heard them last year. Don't know what gives here, maybe they are running a very limited schedule? Would somebody in the Mt. Holly/Trenton area take a peak into this and let us know?

WBUD-1260 is said to be running w/a new 3 tower array, from a 4 tower system. Still features a MYL type format w/NBC news on the hour.

Can't believe we're out of the weekly schedule already, where did this year go? Remember, we recognize the change to DAYLIGHT time in this column, EDT, so any loggings after the time change do not have to be converted to EST. Sorry, but we will not accept loggings in TETLEY TEA TIME!

THE SIGNAL CHASERS THIS WEEK:

BP-ON	Brian Pitman, Kingston, ON	
BK-WI	Bob Mielcarek, Milwaukee, WI	HQ180, SM2
WIZ-CT	The Wizard of Poquonock	HQ180, Loop
MR-ON	Mike Reid, Willowdale, ON	TRF, SM2
JN-NY	Jay Novello, Endwell, NY	CRF1, R7, DA9
HJH-PA	Harry Hayes, Wilkes-Barre, PA	HQ180, SM2
RA-MA	Ray Arruda, Acushnet, MA	SX122, HQ180A, R. West Loop
JR-NJ	Jeff Ross, Sergeantville, NJ	ICR70, Loop
KG-PA	Kermit Geary, Walnutport, PA	HQ180, LW, SM2
BL-OH	Brad Lovett, Coldwater, OH	ICF 5900 W
TC-TN	Tom Connatser, Sevierville, TN	Superadio
TF-CT	Tony Fitzherbert, Fairfield, CT	ICF55W, Superadio
KDF-IL	Karl Forth, Chicago, IL	HQ160, Spiral Loop
DS-DE	Your Golden Ear Editor!	HQ180, SM2, LW, Superadio

And that about puts the cap on it for this time....73's - Good DX!

KCJB 510 W. 1300 W.
 Miami, N. Dakota

**KEEP INFORMED
 LISTEN TO WBAA (930)**

PURDUE UNIVERSITY
 STATION WEAU
 LAFAYETTE, INDIANA 47907



By Peter Huan

WEAV- 960KHz PLATTSBURGH, NY

Began operation during the early 1930's in the Tupper Lake, New York area. Originally known as WHFP. Moved to Plattsburgh, NY on 1340 KHz with 250 watts. During the late 1940's, was granted CP to go to 960 KHz with 1,000 watts. Later this ABC station shifted to CBS and went to 5,000 watts. Today: Three tower in line array, live assist automated pop, CBS, and Expos baseball. Transmitter/studio complex on route 9 in Peru, NY. FM sister is WGFB (7M) on 99.9 MHz, automated Top 40.

INTERNATIONAL DX DIGEST

CHUCK HUTTON
 1035 LATHAM ROAD
 DECATUR, GA 30033
 (404) 633-1198
 BEFORE 2300 ELT

27

Times are GMT. For ELT subtract 5 hours. Deadlines are usually Monday.

- 510 GREENLAND Gøsthab 2/22 0130 woman w/time check before lone then man in Greenlandic. (Vernon)
- 576 WEST GERMANY SM Mankacker 2/22 0153r mixed bag of mx, 0200 pipe and man with 63 news, noted 2/24 0248 w/ARD pgm //1593. (Vernon)
- 584 WEST GERMANY HR Frankfurt 2/24 0258 man with 3G talk, instrumental mx, 0300 single bong then man w/3G talk, probably news. (Vernon)
- 650 GREENLAND Godhavn 2/24 0248 classical mx //700 but poor. (Vernon)
- 657 USSR Kuznansk 2/26 0333 probably the stn w/male opera singer and choir. (Vernon)
- 646 WEST GERMANY SMR Bodenseesender 2/27 IS then man with GG mx 0300. (Vernon)
- 666 LITHUANIAN SSR Vilnius 0300 pipe then USSR anthem, 0303 anthem believe Lithuanian 0305 woman then man with talk. WRTN son w/cn 0200, above was a Sunday though. (Vernon)
- 670 VENEZUELA strong signal SS language trading off with Cuba i think, ID'ed, Auroral SS pop mx 11:00 ELT 3/4 R. Rumbos ID. (Young)
- 700 Please send your logs in GMT and an IDXD-like format (no, that does not mean lots of typos, hi)....lazy editor Hutton
- GREENLAND Sminuttag 2/22 0211 male noted w/Danish talk, xlint sig. (Vernon)
- 720 JAMAICA NJR 2/21 0052-0100 evangelist speaker very weak, got QSL from the stn several months ago. (Young)
- 720 VENEZUELA Pordemar YVOC R, Vision giving exhaustive list of national lottery numbers at 0215 3/5. Good. (Novello) Lots of the YV's road lottery numbers seemingly without end-GH
- 750 GREENLAND Unissak 2/24 0052 male w/Danish talk, good //050 which was xlint. (Vernon)
- 774t SPAIN Caceres et al 2/24 0112 noted w/"Blowing in the Wind" song then man with deep unid lingo voice, probably this. (Vernon)
- 780 COLOMBIA Hiohecha HJZW 0205 3/5 holding forth (hope forth isn't heavy stuff-CH) for 1/2 hour, traditional sounding mx, 5 or 6 songs in a row, really into self promotion, mention of 30 kw, all alone on frequency. (Novello)
- 783 EAST GERMANY SDD Burg 2/24 0117 woman and man w/GG talk, xlint. (BV)
- 800 NETHERLANDS ANTILLES TWR mighty 2/21. (Young)
- 825 ST. KITTS almost nightly 2/24. (Young)
- 830 DOMINICAN REPUBLIC HJJB 3/4 0445 ID and pop mx. (Young)
- 846 ITALY RAI Rome 2/27 0327 Hawaiian mx, 0330 woman and PF mx, 0334 man with GG mx. (Vernon)
- 850 GREENLAND 2/22 0054 male w/Danish talk, xlint, best of the Greenland frequencies. (Vernon)
- 873 USSR Mezen et al 2/20 0227 instrumental mx, 0229 man enner then Mayak IS, 0230 woman then man enner, stn listed as off in WRTN, don't tell me this has gone 24 hours MSP! (Vernon)
- 882 WINGLAND BDC Washford 2/20 0428 instrumental mx then woman enner, into Sandy Shaw record, xlint. (Vernon)
- 940 MEXICO XEQ Mexico DF stable clear signal, moderate signal strength, Mexican pop mx, 200-300 Hz het and ID at 2 past the hour. (Young)
- 972 UKRAINIAN SSR Nikolayev 2/24 0121 man singer o/quivering guitars, 0129 Mayak IS, 0130 woman then man vis phone. Never noted this before. (Vernon)
- 990 WEST GERMANY BR Berlin Britz 2/26 0003 two males w/GG talk, xlint signal. (Vernon)
- 1008 HOLLAND Hilversum 1, flevoland 2/27 0040 mx then man w/DD talk between mx. (Vernon)
- 1017 TURKEY TRT Istanbul 2/27 xlint signal 0144+ just as SWF faded. Woman enner between Turkish mx. (Vernon)
- 1017 WEST GERMANY SWF Wolfshelm 2/27 0144 xlint sig bill this time. (Vernon)
- 1026 SPAIN unid 2/27 EE rr mx then 0248 male w/SS talk, poor sig. (BV)
- 1035 PORTUGAL Porto Alto 2/25 2351 male PP singer, fair sig. (Vernon)
- 1035 ESTONIA SSR Tallinn 2/27 0406 woman with RR type talk, fair sig, probably this. (Vernon)
- 1044 EAST GERMANY DDR Burg 2/27 0042 two males w/discussion type pgm, applause noted every now and then. (Vernon)
- 1044 MOROCCO Sabea-Aioum 2/25 2352 w/AA type singing, xlint sig, no sign of DDR, never noted this before. (Vernon)

- 1062t DENMARK Anslundborg 0053 male EE singer, poor signal, believe this. 2/25. (Vernon)
- 1080 POLAND Katowice 0054 woman w/Polish talk, xint sig, no QRM 2/25. (Vernon)
- 1100 ANTIGUA ZDR 2/22 weak fading signal, usually dominant over SS stn in auroral ex 0053-0105. (Young)
- 1125 SPAIN M.F. Neus 2/27 03L0 SS rr mx, believe this is lone SS on 1125, noted //1134 CQFM net. (Vernon)
- 1143 USSR Kaliningrad 2/26 0005 noted man w/EE rx, xint //1123, 130b, 1494. (Vernon)
- 1165 ANTIGUA 3/2 until 0320 louder than adjoining channels, very auroral ex. (Young)
- 1179 SWEDEN Korby 2/25 2346 man w/talk, poor sig, 2/26 2350 male with talk, xint sig. (Vernon)
- 1215 ALBANIA Lushnje 2/27 0356 noted w/international tune. (SV)
- 1215 UNID unaccompanied jazz piano mx 2/28. (Young) What time?
- 1224 BULGARIA Vidin 2/26 0050 accordion mx, 0100 six pips, woman singer, slight SS QRM. (Vernon)
- 1260 SPAIN unid 2/25 235b male noted w/SS talk, no ID caught, no QRM! (Vernon)
- 1269 WEST GERMANY DLR Neumunster 2/25 2357 jazz instrumental mx, xint sig. (Vernon)
- 1314 NORWAY Stavanger 2/25 2340 male w/talk, poor signal, 2/26 2354 woman singer between mx, local-like signal, 2359 male singer, 0000 236 piano IS then OC, tone noted 0001 1/2 and carrier cut 0001 3/4. (BV)
- 1323 EAST GERMANY R. Moscow Leipzig 2/26 0006 male w/EE service, xint sig //1143, 1386, 1494. (Vernon)
- 1341 NORTH IRELAND BBOLlinsgervey 2/18 0133 Ella Fitzgerald record, 0134 male singer //862, poor signal, sig net on LWYK-1340. (SV)
- 1377t FRANCE w/guitar classical mx, male singer in FF audible on peaks 2/28. (Young)
- 1377t USSR 2/28 0025-0042 male singer between operatic type mx, mostly s woman singer w/piano, went to orchestral mx by 0056 but gone by 0100. (Vernon)
- 1386 USSR Kaliningrad 2/25 2347 woman with World Service of R. Moscow, ID, intro to Science Magazine, fair signal; 2/27 0401 was noted with male and RR talk. (Vernon)
- 1395 ALBANIA Durres 2/25 2350 1/2 noted w/R. Tirana trumpet IS in passing. (Vernon)
- 1413 SPAIN unid 2/26 0102 western type guitar mx, woman with seductive SS talk, now if only I know Spanish, hi. (Vernon) You think she's going to come up to the north pole to see you??? CH
- 1422 WEST GERMANY Europawalle-Heusweiler 2/26 0020 piano instrumental mx //1593 ARD pgn. (Vernon)
- 1440 LUXEMBOURG Harnsch 2/26 0017 oldie rr then flock of commercials. Xint signal, no QRM. (Vernon)
- 1458 ALBANIA Lushnje 2/27 0155 different tune than usual trumpet IS, then continuous pips. (Vernon)
- 1485 ENGLAND BBC unid 2/27 0353 woman singer //1503, 1548, poor signal. (Vernon)
- 1485 SPAIN unid 2/25 2343 male w/SS talk. (Vernon)
- 1494 USSR Leningrad 2/26 0006 male w/EE rx, 2/27 0401 still noted w/EE service. (Vernon)
- 1512 USSR Tallinn 2/27 0359 instrumental mx, silence then 0400 six pips, woman with RR talk, no Msysk IS so presume this. (Vernon)
- 1521 CZECHOSLOVAKIA Kosice 2/26 band mx, male singer 0000 IS then woman with news. Xint signal. (Vernon)
- 1530 VATICAN 2/27 0336 male with what sounded like Latin or II, is listed w/Albanian at this time, local-like signal. (Vernon)
- 1539 WEST GERMANY DLP Mainflingen 2/20 0324 orchestral mx, good signal. (Vernon)
- 1555 GAYMAN ISLANDS at xint strength, heavy WQAN stop 2/19 0330. (Young)
- 1566 UNID string carrier 2/21 0500 but no audio. (Young)
- 1566 UNID 2/27 0233 selection of instrumental mx from "sound of Music" and xint sig. (Vernon)
- 1575 UNID with SS male and female singers 2/21. (Young)
- 1580 ANTIGUA VOA fair signal 0110-0120. (White)
- 1580 MEXICO Sonora XEDM 0700 3/6 just turned loop in time to hear mention of 50 kw de potencia and XEDM, la Grande de Sonora ID. Fair and alone. (Novello)
- 1584 SPAIN unid 2/25 2343 male w/SS talk and fair signal briefly. (Vernon)
- 1593 WEST GERMANY pop mx, xint 2/13 but deep fades. Fairly common all winter. (Young) 2/25 2341 instrumental band mx //576 ARD. (Vernon)
- 1610 ANGUILLA 3/3 0050-0109 fair signal, religious pgn and into news on the hour. (White)



ANARC 1983

Washington Area DX Association
(WADXA)Association of North American
Radio Clubs606 Forest Glen
Silver Spring Maryland 20901

ANARC 1983 CONVENTION

July 15-17, 1983
Rosslyn Westpark Hotel
Arlington, VirginiaPRELIMINARY PROGRAMFriday - July 15

9:00 - 5:00PM
9:00 - 12:00NOON
12:00 - 5:00PM
3:30 - 5:00PM
5:00 - 5:30PM
5:30 - 7:00PM
7:00 - 9:00PM

Registration
Exhibit set-up
Equipment and club exhibits and displays
ANARC representatives meeting
Official convention opening
Dinner on your own
Wine and cheese reception

Saturday - July 16

8:00 - 9:00AM
9:00 - 10:00AM
10:15 - 11:00AM
11:15 - 12:15PM
12:15 - 1:30PM
1:30 - 2:30PM
2:45 - 3:45PM
4:00 - 4:15PM
4:15 - 5:30PM
5:30 - 7:00PM
7:00 - 7:30PM
7:30PM

Registration
Seminar one--PUBLICIZING RADIO LISTENING--
Who should do it and how much should they do?
Hear what broadcasters, clubs and equipment
manufacturers think
Seminar two--TRENDS IN BROADCASTING, EQUIPMENT
AND LISTENING--Find out where the experts think
the hobby is headed
Seminar three--COMPUTERS IN THE RADIO HOBBY--
Learn what you need to know about computers
and how they can make your listening more
interesting
Lunch on your own
Seminar four--CONCURRENT SESSIONS ON LW/MW,
FM/TV, PSB/UTE and SW--Free-wheeling dis-
cussions of various aspects of the hobby with
noted DXers as discussion leaders.
Seminar five--MEET YOUR FAVORITE BROADCASTER--
An informal opportunity to visit, get auto-
graphs and take pictures
Presentation of "Review of International
Broadcasting" awards
Seminar six--BROADCASTER'S FORUM--A chance
to question broadcasters about their stations,
their programs or about anything else on your
mind
Free time
Cash bar
Annual banquet/presentation of ANARC awards

Sunday - July 17

9:00 - 11:30AM
11:30 - 1:00PM
1:00 - 1:15PM
1:15 - 3:30PM
3:30PM

ANARC annual general meeting
Lunch on your own
Presentation of NAR awards
NAR auction
Closing ceremonies

3 STATION IDENTIFICATION

The DX Art of identifying an unknown station could be broken into two categories: identifying International broadcasters, and identifying local broadcasts intended only for a small area. Identification of the International stations is usually far easier due to several reasons:

- 1) Shorter broadcast periods, with full IDs given at start and finish, and during the broadcast
- 2) Usual use of a very distinctive interval signal (IS), or tuning signal at the opening of transmissions (and sometimes at the end of the broadcast)
- 3) Less likely use of colloquial speech: ie, clearer ID announcements

Local or 'home service' broadcasts may identify only every hour or half hour (ie, local government stations in Indonesia or India), and use of interval signals is much less predominant. The ID announcement you are waiting to hear may also be mumbled or rattled off at a great rate on these domestic broadcasts.

But , these problems considered, how does one actually ID a station in either category? The most obvious point is to hear an actual identification announcement, in a language clearly understood by the listener. I say 'clearly understood', because it is quite easy to be convinced of hearing an ID that was not in fact there! A word in a strange language may bear some resemblance to a possible station name, if one is not aware. Granted, most DXers only speak/understand one or maybe two languages, whilst there are dozens of languages in use of the airwaves. So how to do it? As there are many languages broadcast, the best practice is to tune to the known scheduled foreign language broadcasts of the stronger International stations (especially the ones who announce in English at the beginning, what language is to follow, ie, VOA and BBC). This will give the DXer a feel for certain languages - and after all, merely identifying the language in use may be a big step to finding down who it is! Of course there are many languages with strong similarities - Lao/Kampuchean/Thai; Russian/Ukrainian; etc. - but if the DXer can at least narrow down the language to a few possibilities, this will be most valuable. There are many such groupings: For example, the Romance languages - French, Italian, Portuguese, Spanish, Romanian (all are derived from Latin). Germanic languages - German, Dutch and English. Slavonic languages - Czech, Polish, Bulgarian, Russian, Serbo-Croat. Scandinavian languages - Danish, Norwegian, Swedish, etc. Usually, the first few words of the identification announcement will give you what language it is, as well as the station name. In seeming contradiction to my previous statement, only these words need be remembered - just be aware that you are listening to a language that may have many words that are similar. For instance, "Aqui Radio Peking..." will mean A) The broadcast is in Spanish (or perhaps Portuguese !), and B) It is Radio Peking! Or "Govorit Moskva" means "Moscow speaking": you're likely to be tuned to one of the Russian Home Service programmes, in Russian. Wait a minute - Moskva? I thought it was Moscow! Yes, they're both right. Another trick is to be aware that different place names are different according to some languages. Al-Kahir is Arabic for Cairo, Tarabales is Arabic for Tripoli, 'Parree' is French for Paris, and so on. Sverige is the local term for Sweden (pronounced Sverrija; don't forget that in most European languages, pronounce 'J' as 'Y'). As a help to DXers, below is a list I've compiled of many languages' typical announcements for 'This is...' or '....speaking'. Of course it is not meant to be complete

Albanian:	"Ju flet..."	Iao:	"Thini..."
Arabic:	"Huna...", "Idha'at..."	Latvian:	"Runa..."
Azerbaijdzhan:	"Danishyr..."	Lithuanian:	"Kalba..."
Belorussian:	"Mawozite..."	Malay:	"Inilah..."
Bengali:	"Swadhin..."	Mongolian:	"Jeroj..."
Bulgarian:	"Govoryi..."	Nepali:	"Yo....ho"
Chinese:	"...go dien tay"	Norwegian:	"Dette er..."
Czech:	"Vola..."	Portuguese:	"Aquí...", "Fala...", "Esta é..."
Danish:	"De lytter..."	Polish:	"Tu nowi..."
Dari:	"Inja..."	Pushtu:	"Da..."
Dutch:	"Hier is...", "Dit is..."	Romanian:	"Aici e...", "Vorbeste..."
Estonian:	"Siin..."	Russian:	"Govorit...", "Vo slushayte..."
Farsi:	"Inja..."	Serbo-Croat:	"Govori...", "Ovde..."
Finnish:	"Tähällä..."	Sinhala:	"Eo..."
French:	"Ici...", "Vous écoutez..."	Spanish:	"Esta es...", "Aquí...", "Transmite..."
German:	"Hier ist...", "Hier spricht..."	Swahili:	"Hii ni..."
Hindi:	"Yeh..."	Swedish:	"Här är..."
Hungarian:	"Itt..."	Tadzhik:	"Injo..."
Indonesian:	"Inilah...", "Disini..."	Thai:	"Thini..."
Italian:	"Qui é...", "Trasmette...", "Parla..."	Turkish:	"Burasi..."
Japanese:	"Kochirawa....desu"	Ukrainian:	"Movorit..."
Kampuchean:	"Thni..."	Urdu:	"Yeh..."
Korean:	"Yoesan..."	Vietnamese:	"Van la dat..."

Okay, so what about other guides to picking the identity of a broadcaster? After some experience, one can pick a station's identity by the sound of the transmission! That is, the style of modulation of the broadcast. This is due to the speech processing used, and transmitter characteristics. Many broadcasters (mainly the international ones) have their own sound - 'tubby', 'echoey', 'clear', 'rough', 'toppy', etc. Try it some time!

A real key assistant in our ID quest is the Interval Signal. This is a tone played for a short (or sometimes long) ie, BST/RTS Belgium) time before the transmission proper starts. Nearly all international broadcasters use them, as well as some of the domestic stations. These smaller stations may also play them on the hour or half hour, or before news broadcasts etc. For example, if you hear a Russian station playing a part of "Midnight in Moscow" on the hour or half hour, it

is the home service programme 'Nayak' (Lighthouse). The famous "Bayuan Pulau Kelapa" (Song of the Coconut Islands) theme is played before each Jakarta news relay on the Radio Republik Indonesia network. An interval signal is usually repeated over and over, so that the listener may tune in the broadcast in time to hear the actual programme. The WRTM carries details of many (but not all) of these tunes.

If one is tuned to a local broadcast, it is very likely that time calls for that area will be given. This is no problem if the station is in an understood language: The only advice here is to learn a 1-100 range of numbers in the basic 'DX languages' - Spanish (nearly the same for Portuguese, too) and perhaps Indonesian. Why not try Russian or French, too!

News relays, programming format, fade-in and fade-out times, sign-on and sign-off times, all can greatly assist the DXer in identifying the smaller domestic broadcasters (and indeed the larger stations relaying their home service programmes on short wave to foreign countries). For instance, hearing an Arabic station on 49 metres fading out at 0900 UTC in the Australian summer, would cast the Middle-Eastern countries being likely contenders! 49 metres would simply not propagate from there at midday local time in the Middle-East. The station (if indeed broadcasting from an Arabic country! Are you sure you've not forgotten to check the IS at opening to see if it's the Voice of America!!!!) is likely to be Tunisia, Algeria, Morocco, etc. One small point to reinforce there is that many international broadcasters use a wide range of languages - French does not mean the broadcast is from France. But I hope you all get the picture. Patience is often the biggest aid to the DXer; remember the old saying: "Fools rush in, where angels fear to tread". Hi! (CC)

" RADIO BROADCAST "

by Gary Simpson

One of the earliest radio magazines was called "Radio Broadcast", and was published from May 1922 through April 1930. When it began publication in Garden City, NY, there were only about 35 active broadcasting stations in the United States; all of which broadcast on the same dial position, 360 meters (833Kc.).

It is fascinating to look through these early issues as preserved in the Library of Congress in Washington, and to realize that everything we accept so readily today was just beginning then. The year 1922 was the time when radio grew rapidly. January 1, 1922 there were 28 active radio stations in the nation. Eleven months later, there were 570 !!

Here are some of the interesting articles in early issues of this magazine: The addition of a second channel, 485 meters, for market reports and weather forecasts. The original channel, 390 meters, was for music, concerts, and lectures. A year later, a third channel, 400 meters, was added for stations higher than 500 watts, called Class B stations. A few months later, the broadcast band was created, with channels each 10Kc from 550 to 1500, and DXing really had a chance without the tremendous interference problems that had taken place when 500 stations operated at the same dial position. The CV channels of today are calm compared to then with no crystal-controlled transmitters, and every station using a flat-top antenna that generated such great skywaves.

ASCAP, the music licensing group, entered the radio picture in January 1923, collecting royalties from stations. Four months later, the magazine carried a story about how jacks, plugs, and patch panels could help radio stations to switch sources. An article also told about broadcasting by remote control from sports events, dance halls, etc. Another story was written by Arthur Hatcher, a U.S. Radio Inspector, on locating illegal radio stations. In 1925, there was a proposal to reduce the channels to 7.5Kc, somewhat similar to the 9 KHz proposal of today, except that the article predicted whistles, heterodynes and spluttering if channels were less than 10Kc wide.

One of the most interesting stories was about the "Detroit News Radio Station" it described, with pictures, the station that had been in existence for several years. The call letters, WWJ, were never mentioned. The reason, I presume, was that the station started as an amateur station before any broadcasting stations were created or authorized.

Winslow A. Duerr wrote an interesting article that asked the question, "Will Radio replace the Phonograph?" Not completely.....

Operator OTH : N.Chatham, MA (HCC) < 41.700N/ 69.950W >

Table 1 : Metro-Boston

DX OTH	coordinates	GCB	GCD(MI)
HEE1-590 (Medford)	71.088N / 42.410W	316.4	76.21
HRK0-680 (Burlington)	71.217N / 42.490W	316.5	81.79
HCAS-740 (Cambridge)	71.145N / 42.383W	303.0	77.33
WHDH-850 (Needham)	71.265N / 42.250W	299.0	77.45
NR0L-950 (Saugus)	70.988N / 42.440W	314.2	73.77
HEZ-1030 (Mall)	70.075N / 42.270W	310.4	62.02
RILD-1080 (Needham)	71.083N / 42.413W	310.7	75.14
KHUE-1150 (Lexington)	71.213N / 42.410W	307.6	81.22
HEXN-1230 (Narberth ad)	70.867N / 42.517W	310.5	73.41
HEZE-1260 (E.Milton)	71.038N / 42.270W	305.5	69.32
HJDR-1290 (Quincy)	70.983N / 42.263W	306.6	69.75
HDLH-1330 (Waltham)	71.260N / 42.358W	304.5	81.11
MLVN-1360 (Lynn)	70.975N / 42.450W	314.9	73.77
WRKS-1430 (Medford)	71.083N / 42.408W	310.1	75.57
WRRE-1510 (Waltham)	71.200N / 42.395W	306.8	79.66
WRTH-1550 (Newton)	71.250N / 42.350W	304.4	80.38
WHRB-1600 (Newton)	71.190N / 42.288W	303.0	75.48
TV Towers (Medford/Newton)	71.220N / 42.365W	305.1	77.41
CT - Hartford	72.603N / 41.767W	272.8	140.91
CT - Putnam	71.917N / 41.917W	279.1	102.32
MA - Acton	71.433N / 42.483W	305.9	93.20
MA - Arlington/Delmont	71.170N / 42.411W	308.5	79.51
MA - Billerica	71.223N / 42.538W	312.0	87.17
MA - Boston	71.063N / 42.360W	309.0	73.04
MA - Bourne (Sagamore Br.)	70.950N / 41.775W	279.7	31.35
MA - Brockton	71.017N / 42.083W	296.1	60.88
MA - Chatham	69.950N / 41.670W	180.0	2.07
MA - Dennisport	70.130N / 41.660W	253.5	9.69
MA - Fall River	71.153N / 41.717W	271.5	61.61
MA - Fallmouth	70.633N / 41.967W	255.6	76.45
MA - Fitchburg	71.800N / 42.588W	303.5	112.84
MA - Foxborough	71.267N / 42.057W	290.5	72.27
MA - Framingham	71.417N / 42.233W	298.6	95.37
MA - Great Blue Hill	71.100N / 42.225W	301.9	69.29
MA - Haverhill	71.083N / 42.783W	322.6	94.61
MA - Lawrence	71.150N / 42.700W	318.8	92.39
MA - Lowell	71.360N / 42.650W	314.0	95.26
MA - Marshfield	70.720N / 42.100W	305.2	48.26

Operator OTH : N.Chatham, MA (HCC) < 41.700N/ 69.950W >

Table 2 : East Coast North America

DX OTH	coordinates	GCB	GCD(MI)
St.Pierre/Miquelon	56.167N / 46.917W	57.4	768.93
LABRADOR - Miramichi	63.500N / 59.167W	10.3	1237.60
NF - St. Anthony	55.583N / 51.367W	40.6	951.41
NF - St. John's	52.680N / 47.570W	58.5	937.65
NS - Halifax	63.500N / 44.630W	55.6	979.11
NS - Sydney	60.183N / 46.150W	51.4	574.13
NS - Yarmouth	66.130N / 43.830W	51.5	243.12
ON - Toronto	79.420N / 43.700W	209.2	499.69
QU - Gaspé	64.483N / 48.833W	26.4	559.28
QU - Montreal	73.600N / 45.500W	326.4	319.55
QU - Quebec City	71.217N / 46.017W	350.4	350.00
CT - New London	72.160N / 41.350W	258.4	113.71
DC - Washington	77.060N / 38.920W	245.0	417.72
FL - Daytona Beach	61.080N / 29.200W	219.1	1061.62
FL - Miami	60.200N / 25.750W	211.1	1246.57
FL - Pensacola	67.250N / 30.400W	236.5	1237.45
GA - Atlanta	64.300N / 33.750W	239.7	958.35
GA - Brunswick	61.483N / 31.167W	225.0	967.46
IL - Chicago	67.750N / 41.830W	276.5	915.16
KY - Louisville	65.750N / 38.267W	259.4	667.48
LA - New Orleans	90.650N / 30.000W	240.6	1379.29
MA - Billerica	71.223N / 42.538W	312.0	87.17
MA - Boston	71.063N / 42.360W	309.0	73.04
MA - Rockport	70.680N / 42.650W	333.7	74.47
MA - Scituate	70.720N / 42.200W	311.4	52.49
MA - Siasconset	69.970N / 41.250W	181.9	31.09

Operator OTH : N.Chatham, MA (HCC) < 41.700N/ 69.950W >

Table 3 : Trans-Atlantic

DX OTH	coordinates	GCB	GCD(MI)
MA-Eastham	69.967N / 41.817W	353.9	8.16
NF-Cape Race	53.000N / 46.700W	61.9	985.00
ALBANIA-Tirana	19.020E / 41.330N	56.0	4485.13
ALGERIA-Algiers	3.000E / 36.830N	69.2	3795.73
ANGOLA-Luanda	13.250E / 8.630S	101.1	6272.89
ASCENSION IS.	14.370N / 7.550S	126.2	4906.84
AUSTRIA-Vienna	16.370E / 48.220N	51.5	4013.86
AZORES-Flora	31.200W / 39.480N	31.4	2022.12
BELGIUM-Brussels	4.350E / 50.830N	52.6	3449.59
BULGARIA-Sofia	23.300E / 42.670N	54.0	4500.75
CANARY IS.-S.C.de Tenerife	16.250W / 28.470N	89.2	3115.23
CHINA-Urumqi	87.630E / 43.720N	16.0	6369.68
CZECHOSLOVAKIA-Prague	14.420E / 50.080N	50.3	3876.32
DENMARK-Copenhagen	8.470E / 55.470N	45.8	3502.32
EGYPT-Cairo	31.250E / 30.050N	60.2	5387.21
ENGLAND-London	0.170W / 51.500N	62.9	3249.35
ENGLAND-Penzance	5.550W / 50.120N	56.1	3049.55
FINLAND-Helsinki	24.967E / 60.167N	36.2	3933.03
FRANCE-Paris	2.330E / 48.870N	55.6	3412.27
GERMANY(N)-Langenberg	7.120E / 51.370N	51.1	3548.70
GREECE-Athens	23.730E / 38.000N	57.9	4707.40

Operator OTH : N.Chatham, MA (HCC) < 41.700N/ 69.950W >

Table 4 : Latin America & the Caribbean

DX OTH	coordinates	GCB	GCD(MI)
ANTIGUA-St. John's	61.850N / 17.120W	161.8	1763.74
ARGENTINA-Buenos Aires	58.500N / 34.670S	170.4	5323.02
ARGENTINA-Ushuaia	68.320N / 54.000S	179.1	6661.02
BAHAMAS-Nassau	77.350N / 25.083W	202.5	1222.89
BARBADOS-Bridgetown	59.620N / 13.100W	159.9	2070.15
BELIZE-Belize City	60.170N / 17.400W	210.2	1588.93
BERMUDA-Hamilton	64.000N / 32.300W	154.8	768.12
BOLIVIA-La Paz	69.050N / 16.510S	177.9	4021.23
BRAZIL-Belem	48.000N / 2.080S	149.8	3315.75
BRAZIL-Brasilia	47.917N / 15.783S	155.6	4210.87
BRAZIL-Manaus	60.000N / 3.130S	166.1	3187.95
BRAZIL-Natal	35.250N / 5.770S	137.6	3939.55
BRAZIL-Parnaiba	41.783N / 2.900S	142.9	3549.97
BRAZIL-Rio de Janeiro	43.200N / 22.000S	153.7	4774.21
CAYMAN IS.	81.250N / 19.333W	206.7	1680.74
CHILE-Valparaiso	71.670N / 33.090S	181.5	5164.71
COLOMBIA-Barranquilla	74.830N / 11.000N	189.3	2140.33
COLOMBIA-Bogota	74.080N / 4.630N	186.8	2572.34
COSTA RICA-San Jose	84.070N / 9.980N	205.4	2352.13
CUBA-Havana	82.420N / 23.120N	213.1	1470.88
DOMINICA	61.080N / 15.400N	161.1	1891.43
DOMINICAN REP.	69.910N / 10.500N	179.9	1601.96
ECUADOR-Quito	78.500N / 6.230S	192.7	2944.06
EL SALVADOR	89.180N / 13.750N	216.5	2247.80
FALKLAND IS.-Stanley	57.930N / 51.750S	172.6	6492.90
GALAPAGOS IS.	90.500N / 0.500S	209.1	3183.79

Operator OTH : N.Chatham, MA (HCC) < 41.700N/ 69.950W >

Table 5 : Western North America, Pacific, & East Asia

DX OTH	coordinates	GCB	GCD(MI)
AB - Calgary	114.003N / 51.050N	302.7	2163.07
BC - Vancouver	123.120N / 49.270N	300.3	2571.20
SK - Regina	104.630N / 50.500N	302.2	1749.07
YT - Eisa	135.480N / 63.920N	323.9	2556.91
AK - Anchorage	150.000N / 61.170N	321.6	3441.12
AK - Juneau	134.250N / 50.500N	315.9	2939.08
AK - Nome	165.500N / 63.670N	327.7	3642.92
AK - Phoenix	112.050N / 33.500N	270.1	2347.06
CA - Crescent City	124.220N / 41.770N	289.9	2747.93
CA - Los Angeles	118.250N / 34.000N	274.7	2851.07
TAIWAN	121.400E / 25.150N	348.9	7756.21
THAILAND	100.480E / 13.830N	11.2	8546.44
TIBET-Lhasa	91.170E / 29.680N	17.1	7355.37
USSR-Khabarovsk	135.100E / 46.450N	343.7	6019.77
USSR-Petropavlovsk	158.650E / 53.020N	332.3	5278.43

MUSINGS

The opinions expressed in this column are those of the individual members, and do not necessarily reflect those of the editors, publishers or NRC.

PAUL SWEARINGEN
21629 COTTONWOOD AVE.
RIVERSIDE, CA 92508

TOM FARMERIE - 62 Sunrise Ave. - Grafton, VA 01519 (pm 3-2; rec'd 3-5)
Thought I'd muse and let the hordes know what's happening with the 50th Anniversary Book project. It looks like we'll be done in time for availability at the convention. The "staff" at this time includes Mark Connolly, Bob Curtis, Russ Edmunds, myself, Kermit Geary, Chris Hansen, Carlton Lord, Paul Mount, Andy Rupp, Jerry Starr, and Dick Truax. The time, effort, and personal expense that we have collectively put into this is not inconsiderable. I hope that after the convention we can continue documenting the history of this unique hobby, with a semi-regular DX News column. It is good that we have saved so much historical material for posterity and it is sad that we find so much of it lost forever, such as the first 10 issues of DX News, which nobody has kept. Speaking for myself, I find it most rewarding to unearth the NRC's historical heritage. It is rich with great DX'ers, great DX, great stories, all cumulatively making it what it is, THE DX club, number one, our NRC!

BILL ANDRES - 1159 Montauk Highway - Copiague, NY 11726 (pm 3-1; rec'd 3-4)
Tried a Sunday AM DX session 2-27, something I do every year or so, just to see if Nevada and Idaho come in then. Well, they didn't here ... again. Only one newbie caught, this one after listening for hours for something to surface on the HA-600, getting nothing, and turning on the Zenith for some OY DX. EE with country-pop stuff under W040's "Silly Songs Weekend" @ 2:05 turned out to be CH2N, a decent indicator of good TX ex, but it might have been too late for the European stuff. I guess I need a Trans-Oceanic for that. 1580 had that marathon eternal ET'er (is this really GJB?) from the time I started unpacking until past WEIM came on, noted with what sounded like RS @ 4:31! CHOK weak but all alone on 1070 with ckw @ 2:47. 1330 tele talk turned out to be WPBC (I thought I heard "KFAC" mention, which is why I hung around 1330, but it was WPBC) AM'ing. A ckw with them was WDLW Waltham. Newie CKLD surfaced in one of those critical Pfc (?? -pls) bearings of the loop for an 0345 ID. WOL AM'ing, mentioned "AN" @ 4:36. I wish this one would make up its mind. Summer and fall this is a real pest. CWFO @ 3:55 with a claim to be "Canada's First Memory Music Station". And a sign of the times, 1340 spawning an Unid Lerry King Show mixing with an Unid MYL station, past the 5:00 ID. No wonder AM is getting its clock cleaned! At least Dolly Holiday had some of the magic of radio retained in her AM shows. This recent wave of dreck sounds like a desperate grab at some inventory embezzlement before burning the building for insurance. On a smilier (? -pls) note, the Band Scan is fabulous! 73.

*SOUND IDEAS ABOUT AM SOUNDS

MALCOLM MAXWELL - 1041 Tamlin St. N. W. Apt. A - Atlanta, GA 30318 (404) 876-9072 (pm 3-7; rec'd 3-9)
This is my first musing in a long time, but I have to pound this out. The 1983 WRTH has a long article on the coming of high-fidelity to AM broadcasting. I have some surprising news; it's been possible since the early 1930's. In the last thirty years or so, the potential for AM to approach the sound quality of FM has been all but ignored by the manufacturers of receivers and audio equipment. Anyone who doubts this can try one ear-opening experiment: connect the headphone output from a crystal set to an audio amplifier. The results are nothing short of amazing; good fidelity and none of the choked-off "AM sound". This can be accomplished in more sophisticated sets, also. It takes three things: fairly wide RF and IF bandwidth, low distortion detectors, and a good audio section. Bandwidth is a compromise: wide bandwidth gives excellent sound but poor selectivity and whistles at night from other stations ten kHz away (except strong local signals). Diode-envelope-detectors need ten kHz and up to produce good sound. As a practical tuner, a straight "IRF" has several advantages for high-fidelity, the biggest in a symmetrical RF passband. However, all of this can be achieved in a modern superhet. The detector is simple; synchronous or a diode where the AVC voltage is not developed off the same diode as the audio. This produces distortion that rises as modulation percentage increases. The main advantage to the synchronous detector would be reduction in RF bandwidth without a loss of fidelity. With this in mind, it seems a shame that the leading AM stereo system is the Kahn-Hazeltine independent sideband system. It uses twice the spectrum space as the others that have been approved and all audio above 5 kHz is in mono. For what I have been able to find out, the Harris system has the best potential for high fidelity. This is being written by an observer, having no financial interest in any of the AM stereo companies. By the way, some of the little headphone radios have very good sound on the AM side, although sensitivity

[Maxwell, continued] and selectivity are mediocre. If anyone wants a cassette tape of a local station here in Atlanta, send me a blank cassette - good quality, please - tell me whether to use Dolby and what type of mx. Any comments, drop me a line or a phone call. 73 and keep listening.

SIDNEY E. MARSHALL - 7224 Pam Drive - Millington, TN 38053 (pm 3-6; rec'd 3-9)
Thanks to a temporary change in my work schedule, I have managed to get in a bit of DX'ing time and time for another Muse. Only two new ones to report this time which brings my station total up to 1,096 heard. Bowles arc: On 2-24 at 6:59 am, KESF-1460, LA surfaced really clear with mx and full s/off announcement heard. Then on 2-28 at 6:41 pm, KFW-1200, ND boomed in like a local with mention of Northwestern College, two religious songs, and a very long s/off announcement at 6:45 pm. I've been trying several times to log this one since their move from 1170 but have been having too much W0AI to be successful. Today there was no sign of W0AI! This is station #3 from North Dakota. After reading Ernest Cooper's comments that were directed to me I have sent off my renewal dues for another year with the NRC. I have received a verie letter from WHIM as a result of my report sent in on the test they conducted on 2-20. I've also sent off for the 1993 IRCA Almanac and highly recommend this to all members, based on how pleased I was with their first two editions of the Almanac! That's it for now; do hope I'll have time for more DX'ing and another muse before the current season is over. So good DX'ing to all.

WAYNE HWINEN - 427 E. Caramillo St. - Colorado Springs, CO 80907 (pm 3-7; rec'd 3-9)
Well, here I go again; will messes ever cease? Will be staying in Aurora, CO thru 5-5-93 while working 58-hr. weeks, trying to get all the assessment appraisals done. This due to our new, improved computer and switch to same. (I'm still waiting for \$\$ because of the government's switch to a new, improved computer, Wayne -pls) DX 2-16 - KROW-780 with T-40 under WBBM 12:38 am-1:00 am. 2-17: KNDY-1570 on RT/TF ending 1:11 am. 2-22: SSS KDOT-960 (ex-KYAK) with T-40 and lots of local ads. 7:50-8 pm. Thx, Malcolm Maxwell, for list of awards. Adding 3 more to my collection helps cover cracks in the plaster. Veries in: v/1 - NWLS-640, KBHB-810, ENST-900, KIRC-1100, KROW-780, v/r KANN-1090, v/q KSUB-590, v/ex KWNN-1300. Totals: 1108/951 after passing my 19th DX anniversary. 2-22-64 was the start of BCB DX for me. Please continue to send all v/s and hold-out info to me at my home address. I won't be DX'ing from there for awhile, but all of my mail will go there. 73 till then.

RADIO ROUNDUP

PETE KEMP, KAIKD - 5 Greenwood Avenue - Bethel, CT 06801 (pm 3-7; rec'd 3-10)
Greetings all ... The NJ Generals of the USFL can be heard over WNR-710 ... Dianna Stern, from WEEL, will take over an anchor spot on WEZ-AM in the Drive Time slot. She will be the first female to hold such a position on the Westinghouse station ... Art Pallan, a mainstay on Pittsburgh's giant KDKA for many years, has received the President's Award for his exceptional public service work. ... New York's Governor Cuomo has put together an ad hoc radio net to carry his call-in program. Stations include WMCA (flagship), WGY, WFBL, WBEN, WBBF, and WTLB ... The Philadelphia Flyers have extended their contract with WIP to carry hockey until 1996 ... Jon Miller is the new voice of the Orioles, joining the staff at WFBR. He had previously been with the Red Sox organization in Boston ... Jack Carney's Comedy Store can now be heard Saturday evenings at 9:00 on WCBM ... WFL in St. Louis will pick up the play-by-play of USFL action on the ABC Radio Network ... KMOX, the flagship station for the St. Louis Cardinals, will begin satellite distribution to its 103 affiliates ... Whoever the sage was who defined television as "radio with pictures" was ahead of his time. The USA Cable network has announced a new series, Radio 1990 ... WTKN will carry the USFL in Pittsburgh ... WXYZ in Detroit will do the same ... To answer the question which has never been asked, Howard Kemp and I are not related, despite the fact that he was born in Connecticut and moved to Laconia, and I was born in New Hampshire (having spent all my school vacations in Laconia while growing up) and being raised in Connecticut ... I enjoyed reading Vincent Pinto's guest article on Group W's SNC radio link. I have recently been appointed to the Cable Television Advisory Council to oversee the operations of Group W's system serving the Danbury-Bethel-Ridgefield area. That should keep me busy ... So much for now.

ARMCHAIR DX'ING ON THE NOR-CAL COAST

RANDY TOMER - 1969 27th Street - Arcata, CA 95521 (pm 3-8; rec'd 3-10)
Conditions have made a big improvement around here after being rather dead for several weeks. Sometimes I consider armchair DX'ing with a portable to be even more enjoyable than DX'ing with a "real" radio and a logbook. Last WK, March 7, I kicked back on the couch with the Sony ICP-R5W and began DX'ing at 3 am by tuning to 720 kHz to catch KDOWN's s/off. This station used to brag that they would reach all the way to Hawaii with their new 50 kw signal but as soon as they left the air there was KWAJ, loud and clear, with Hawaiian mx and a DJ with a thick native Hawaiian accent. Tuning to 760 kHz, KOU Honolulu was almost as strong as KFWB; KOU had "talkradio". At 820 kHz, the suspected KCBP was once

(Lower, continued) again giving WBAP a run for their money, still no ID though. At 3:15 KTKT-930 was strong with such more yellow ex than they usually play; no sign of VABH at this time. On 4:00, WHAS was strong; the night before 4:00 was all Cuba. News-444 was strong enough for some audio and an overpowering net on KQD-950. Up to 9:00 kHz at 1:20 where an unID Latin was mixing with WLS; both were being crossed by FJ11-901. A high-pitched beat was heard between 940 and 950; perhaps it was from the elusive Solomon Islands outlet on 945 kHz? Up to 10:30 kHz at 3:45 am; noted weak EE talk mixing with XEQR; maybe W07. With KINO off, 10:35 is a good DX frequency; the Solomon Islands were noted there with a female DJ. Up to 11:00, WFX was off but could only null in past "sleazy KEZY". On 12:00 kHz WDAI was off on an unID Latin was in, probably YV02. At 12:04 there was a super bat, probably from New Zealand or Fiji. At this point I had a strong temptation to fire up the HQ-1200A1. At 12:10 kHz two unID Latins were mixing; didn't stick around for any ID's. The upper band yielded nothing exciting, so back down to 600 kHz, where Talknet was heard with good signal. At 4:30 I was all ready to ID them during the station break, but suddenly KEW-670 kicked on their carrier, and it was so strong that even 600 was wiped out. I imagine it was KFAR with Talknet. All during this DX session the more common New Zealand outlets (457, 756, 837, 882, 1008, 1035, and 1044) were doing a good job of hitting their adjacent frequencies. By 5 am my old WM bugaboo, not being able to stay awake, set in, plus the thought of my 22-year-old that likes to wake me up at the first crack of dawn, so I retired. All in all, a very enjoyable DX session. Since I live within earshot of the Pacific surf and no local CHM on MM's, TP DX is definitely possible here with a portable receiver. 73's.

YEN CHYNSHUK - 239 Fir - Park Forest, IL 60466 (pm 3-8; rec'd 3-10)

A beautiful unemployment check came in the mail Friday and I'm now happy to renew. Little DX here: MM 2-28; after 2 am - lay in bed; did a bandscan; wife was at work. Found 1090-KAAY off but some ex and tik; just unid CRKW; wanted FIMG. 1000-WCFB off; had only WLS snar underneath. Only nice catch was 1550-KDAY 04; first time ID'd around 2:30 with solid ID, while trying to ID "phantom" TP at that time. Yeah, any unID TP or FC is a "phantom" to me. Locally, BL/Gos pest 1470-WMPF goes 2 1/2 hours around 4-1, 1000-UH ex on the south edge of Crete, IL. From the CW I got from sta mgr Alan Wheeler, I'll dare near get the brunt of the night power - there goes another frequency. Main lobe goes to the west side of Chicago (why can't it bypass me on the way, hi?) Small lobe south, smallest lobes E-W. Mr. Wheeler welcomes reports to 14th Ellis St - East Chicago Heights, IL 60411. Summer stickers to be available eventually. Now that Fred Winston left WCFB for WLS, I still sin't gonna listen in. Tribune's Ron Aldridge wrote a fine article on WGN last month; I'll send it in. Baseball ex finally here; 700 for the last 4 days; finally rained Sunday night. Still lookin' for a decent snow-storm, just to be normal. I'll betcha Mark Strickert's got more snow in SF than Chicago's got. And that guy left our beautiful climate. I got the White Sox and Cubs BF networks today; Dave Yocis, get 'em in quick. Chisox have 6 AM's, 2 PM's. Cubs have an unreal 24 AM stations and 10 PM's. Gee - you'd think they're gonna win a few games this year. This year the Sox lost half of their network in the last week due to money problems. In several IL markets you have a Cardinal, a Sox, and a Cubs station. I'd like to mention a fine trade magazine, Radio Today, by Jerry Del Collanno. It's a "confidential" magazine for ex executives, and I get back issues from a friend. It's very good reading. Before I close I'd like to express an opinion. I'd like to see the listings times expressed in local times. Any intelligent person can figure out time zone hours. I'm just one who gets tired of using Eastern time constantly. DX News is getting better; let's all contribute and enjoy it.

HARRY HAYES - 9 Henry St. - Wilkes-Barre, PA 18702 (pm 3-7; rec'd 3-11)

750 has been spoiled for, for a daytimer in Archbold, PA just outside Scranton. I think this will be rejected as it is too close to WKAK-730 on the band. I think they would be better off trying for such openings as 690, 780, 820, 840, 1040, 1110, 1200, 1420, 1520, or 1580. Any of those channels, I think, would be a better choice than 750 here. The DX livened up a little bit around the beginning of March with the following noted: 3-1 6:12 pm CPO3-560 Owen Sound, ON with local ex. 6:41 pm CFBK-630 Huntsville, ON briefly through WMAJ and WPRO. 3-2 ex in the opposite direction tonight. 6:44 pm a slew full of signoffs on 1570. First a tent. WGR-1570 Milton, GA. Tent, as only one weak CID hrd. and no Milton or GA hrd, then usual WCLB-1570 Oneonta, AL with WCLE-1570 Cleveland TN over them stronger with their s/off. 6:46 pm us to 1580 for the usual WXY-1580 AL signing off with no preaching this time about the big ol' bad FCC. 7 pm WABS-1480 Mobile AL, a new one for me with ID heard through weak WIS-1480 Shmokin, PA. 7:30 pm WFSY-1580 Leland MS ending soul and s/off, 15 min. late according to my maps. Mentions 5 kw now; they sounded more like 1, as they were very weak. Also making news the first week of March is that the Europeans are making it in a little bit east the mountains into Wilkes-Barre. Monte Carlo was in with weak audio on 1467 on the evening of 3-4. I also had a weak one on 855 and on 666 which must be the first signs of long-lost Spain and Portugal, respectively, showing up. The Caribbean area stations have been in well also. Good sigs. from Anguilla-1410 and St. Kitts #25 this past week. Locally, WKAK-730 has been in the habit of leaving their carrier on long after sunset, closing that channel for DX. WILK-980 continues to buck the "death throes of AM" trend by programming for the teenage

(Hayes, continued) audience. They have the "Hot Hits" format. They have ridded themselves of the "more information" gimmick they tried to promote in 1980 and '81 when WKXZ-FM took their T-40 format to FM. Now they are trying to buck WKXZ-FM head-on. WKXZ-AM 1340 has a quality format of soft rock oldies and very few standards. Staples are old Association tunes, Humperdinck, Steve Lawrence, Bread, etc. (Sounds like what I used to program in 1966 on KVOB-1400! -pls) The tower for this one is less than a mile from here so they do produce some problems here. WARM-500 carries Larry King at night and also a lot of the Mutual features throughout the day; otherwise, they continue to program as they have for the last 25 years with a non-fast T-40 format, with even some of the same personalities of 25 years ago. This has to be one of the more stable radio stations in the country. More power to them. WEL-630 seems to be holding its own with a typical T-40 AM format. AM in this part of the country seems to be somewhat bucking the trend of going to dead-endless talk as the rest of the country is doing with its AM.

RICHARD E. WOOD - College of Education - P. O. Box 959 - Abha, Saudi Arabia (pm 3-5; rec'd 3-11) Greetings again from the Asir Mountains of Saudi Arabia, and thanks to Bill Andros for teaching us all, in DXN 50-19, how to pronounce Copiage, NY. As a language teacher I appreciate that I feel ashamed that in three years of LI living I never learned that. Congrats to Terry Klasek on his job as morning manager at Shoney's. Shoney's trusts him with their hamburgers, and I trusted him by leaving my car to his tender mercy; so I hope to see it, and drive it again, when I return to St. Louis 6-17, per my current flight plan. Drive it, inter alia, to ANARC in Rosalyn, VA, for which I have registered. And now, I hope someone will contrabulate me on hearing my first TA's here, and late in the season, too. (Congrats! -pls) As I predicted, they were from Brazil; this was no surprise because Victor Goonatilake in Sri Lanka also reported Brazil; I don't have a full list of Victor's loggings, only the 1400-1600 kHz segment; but in that, his only TA's are unID Brazilians on 1400 and 1410. Well, I got 1400 and, probably because I speak Portuguese (like Ernie Cooper's neighbors in Provincetown), I ID'd it; first heard 0100 UTC with "saúdada", at 0115, ID as Rádio Rio de Janeiro. Listed power just 5 kw, yet, for me and Victor, it seems to be the best TA. Then at 0130, Rádio Globo, also in Rio, ID'd on 0130 with SW // 11805. Other loggings that fine of 3-2: new Rádio Nacional de Angola, Luanda, 1088 (not listed 1089) with PT nx 0045, U. S. dance mx and "Smoke Gets in Your Eyes" 0059 before ID and s/off with anthem 0102. Not // 1367 which seemed to have signed off 0002 and may be RNA's 2nd Program. A guide to good African exn here is Nakuru, Kenya, 918, heard right through Saudi Arabia at 2030 UTC 2-27. Two minutes late I wasn't surprised to hear Os-Rankwa, in the South African Bantustan of Bophutatswana, on 1098, where my local used to be (it moved to 675 in December). In the Tswana language with cultural, non-commercial pgm and slight QRM from SPBS Akrotiri, Cyprus. That was country #61. There are many heterodynes here caused mainly by African stas operating under the old assignment plan and hitting stas in technologically more-advanced European and Arab countries which quickly moved to the new channels. However, some Arabs are still on old channels, e. g., 1448, not 1449, from Misurats, Libya, logged 3-2 at 0105 // 1251 with military talk in AR, probably running AN. Other news that night: AIR Bhadravati-1359 at 0055, AIR Sangli-1251 at 0100 and Jammu A, Kashmir, which may count as a separate country, with Qur'an recitation 0100 on 990. Looking at my overall reception pattern, I have now heard Brazil without first having heard Morocco, Nigeria, Finland, Afghanistan, Vietnam, the Maldives, or Uganda, just to name seven needed countries. See many of you at ANARC, I hope, and others at Enfield. 73.

BRAD LOVETT K8BIOC - 421 E. College St. - Coldwater, OH 45836 (pm 3-7; rec'd 3-11) Greetings again from tropical Ohio. We appear to have escaped winter this year, and we're nearing 80 right now. The magnetic storm on 3-2 brought several new catches, as auroral conditions with excellent southern skip netted the following: WYDE-950, KLCN-910, XJKX-910, WORO-950, WXJN-1000, WTIS-1390, WCLL-1590, WABB-1490, WOOD-1310, WKXI-1300, WRBQ-560, WSGN-610, WTKX-690, XEG-1060 (1050, no? -pls), Cuban jammers on 1142 and on 1182, and WOP1-1490. Unidentified was someone carrying Carolina-GA Tech BRB on 1600, and an opera singer on 950. No sign of most of the northern powerhouses. The next day, 3-3, a tentative on Cuban R. Cadens Agramonte, with SW-style interval signal into SS, 1380, under W0RK. Would someone please be so kind as to tell me where and when the NRC ham net meets? I'd like to join in. Anyone who might be looking for me, I monitor Midcars on 7258 or am on 15 phone around 2140, or CW either 7050 or 21050. My local 2 meter repeater is on 146.02/.61 (W8BPNB/R) and we often get into DX discussions on ECB, SW, spics, and etc. on the "Hoot Owl Net", on 146.19/.79 (W8KXZ/R), Groenville, OH, from 11:40 pm till 1:30 am. Things are looking up on the job hunt scene. I've gotten decent response from my ads in Radio and Records. My cheap ex-boss is holding up my unemployment; he made up a bunch of lies about my job performance and the unemployment office bought them. (I went through that 9 years ago, Brad - hang in there! -pls) So I'm going through the lengthy appeals process. Our local satellite affiliate just started their service today; sounds very generic, and the station can't seem to get the commercials to time out right. Transfer has features to fill in for the stations that don't have anything to play there, and I've heard bits of all of them but haven't heard a full one yet. Well, I guess that's all I know, so catch everybody later. 73, Brad.

ERNEST COOPER - 5 Anthony Street - Provincetown, MA -2657 (617) 487-9337 (pm 3-8; rec'd 3-11) I hope all our California members survived those terrible storms. (No sweat; a lot of surface water, but they don't compare with a good ol' Kansas thunderstorm - pls) Some comments on items in the March 7 Musing. Wilfred Ritayik: I read with much interest of your SM-2 being hit by lightning. I have never given any thought to this even though my NRC h' loop was thus keyoned some years ago; the reason being the NRC loop was electric-powered to the house current, whilst the SM-2 is powered by a nine-volt battery. Can lightning striking nearby affect a battery-powered antenna, and if so, how could it be prevented? Bill Prater's interesting Musing comments on old WFIW-940, which was my very first voice receiver! But I believe they became WAVE-940 in Louisville, not WBF, Indianapolis. WBF was on (then) 1400 (before the 1941 re-allocation) and WAVE stayed on 940 where WFIW had been. The personnel may have gone to Indy, but I think the license went to Louisville. My v/l from WQVW-1500 gives this address: 15401 West Ten Mile - Detroit 48237. I believe Sheldon Harvey's 810 on 1-31 with Black mx is ZNS3; they rule 810 here every MM, with WGY off. My letter to WSDA-1260 Miami bounced back, thanks to the great service of the U. S. P. S.: Ron Schatz mentioned this station in his Musing; don't have an address for them, Ron? Hoy, when YSBR-740 went "f/b", I hope they excused themselves! And I think Brian Pittman's 940 unID SS is WRYM, CT; they are Ethnic. Now to the DX scene. Another 1470 mystery on Wed. 3-2. Who has EZL x there AN and a slogan "Magic Radio"? Their phone number began with 255; smacks again of WMPJ-FL. WBSM-1490 was suddenly atop 1490 @ 1:25; they haven't answered a month-old report yet. Thur. 3-3: What sounded like preaching in SS was noted under WKBW @ 12:44 am; Stan Morse says WRAI is now SS-REL, so coulda been. We'll need another WKBW SP to make sure, or a severe AU. Upp WOSO dominated 1280; as did WCLS/WSRF battling one another on 1580. Fri. 3-4: Upp RJR-580 was virtually in the clear here @ 1 am. Someone AN on 240 in WHAS's null with "Slaughter on Tenth Avenue" and announcements seem to be in FP - is this Castries? Sat. and Sun. I was K. O. ed by a sudden and severe cold; but I still did my radio shows on Saturday, sounding like a foghorn. MH 3-7: UnID TT on 1590 @ 12:38 and later, on 1D's. CIHI ruled 1260, "1-2-6, Sea-High". WRNL-910 is on Mx Country net now. A valiant try for WRND-560 proved unsuccessful, alas.

NEAL A. PERDUE WDX4NAP - Route 1, Box 154 - Falkville, AL 35622 (pm 3-8; rec'd 3-11)

A very serious ear problem which was misdiagnosed by the first Doc I went to, and hung on for about a month till properly diagnosed and treated has taken all the fun out of DX'ing for awhile, so there is not much to report this time. Finally, the ear is back to normal and I hope to get adequate time at the dials again now. I anxiously await delivery of my Kowalski loop, which is reputed to be a dandy as far as gain, nulls, and quiet operation are concerned - the not too great for DF'ing. DF'ing is not as important to me as logging new stns, and the SKI loop should work well with the R-390A. Paul doesn't exactly mass-produce these works of art, and it takes a while to get one. /// News here since my last muse include 1530-WRBX NC, Chapel Hill; big power but rare here. 1590-WNTS IN, Beach Grove. 1250-WREN KS, Topeka. 1530-WCRF FL, Jacksonville. 1200-WFNW ND, W. Fargo on a nite when WWV announced the A-index as 75 (1) in a partial null of omnipresent pest W0AL, taped and played for Karl Jeter so I'd have a "witness". 1250-KFAY Ar, Fayetteville. 1390-WPEZ MS, Meridian. 1570-WHLP TN, Centerville. All of these were SSS logs. /// Just to clear up any possible confusion, the logo from my hobby letterhead which Paul reproduced in my muse in issue #1R does not show the present shack equipment, and is not the photo which any shack-photo traders will receive. Uhh, the guy in the logo is a caricature - no resemblance to me. I don't look that good. Hi! (You look at least that good, Neal; don't be so modest, hi! -pls) /// I've ordered the new Dom Log Supplement, and will renew my membership in NRC in a week or two. It's a lot of fun. After a lot of years and a lot of clubs, I'd like to pass this thought on to the membership: Have fun with your hobby; remember that it is a hobby; keep it in its proper perspective; don't fall into the ego-traps; drop out for awhile when you start to feel "burned out" (Mike Knitter won't let me, hi -pls); don't hit it so hard that it become more like work than fun, and TELL the hard-working editors, publishers, etc., once in awhile that you appreciate their efforts. And now, as I close, I'm gonna drink a cold beer to all the fine folks I've met thru correspondence in this great club. Cheers, y'all. (Thanks, Neal, and I hope NRC can boast of a 100% renewal rate this month. -pls)

RUSS EDMONDS (WB29JH) - P. O. Box 127 - Beonton, NJ 07005 (pm 3-8; rec'd 3-11)

Greetings, again, folks. We have finally purchased a new home here in PA; it will be in the NW Phila county of Montgomery, in the town of Blue Bell (formerly known as Pigeonville - wonder why the changed the name, hi). After seeing all of the swarms we have, I decided to apply for some to paper the walls of my new shack with. I anticipate moving in about 5-1, and perhaps I will now have some incentive to do some more taping of foreign stations and graveyards, which are my two primary interests in my near-dormancy in the hobby. A few words, if I may, about some of the more current issues before us. I have, in my time, been active at PM DX'ing, although not in many years, but I see no reason to expand DXN. If some of the PM-proponents remember (and I know some do), NRC was an all-band club in its early years (before FM, and that fell by the wayside. NARC was a good example of a club which tried to be all things to all

(Edmunds, continued) people by covering all bands, and it succeeded in covering none of them well, and it is now defunct. I'm not saying that two-band coverage for NRC would do likewise, but I really feel that the FM hobbyists are sufficiently numerous to support an FM-only club. Generally, we have more than enough material in DXN as we are, and if the only way we can increase support for Musing is to add FM, then we have a more serious problem than a transfusion of FM could cure, and we need to address that on its own. I do plan to re-activate at least somewhat next season, as it will be well into summer before I get my shack operational this year. 73's.

DAN HUGHES - Box 933 - Urbana, IL 61801 (pm 3-9; rec'd 3-12)

Since this is my first muse, a short introduction: I teach radio broadcasting at Parkland College (Champaign, IL). Prior to accepting this job I was program director at the genuine WERP, which is in Dallas, Georgia (kind of a suburb of a suburb of Atlanta). I'd like to ask a favor of NRC members: I would love for you to drop me a note outlining what you feel are important qualities for a good radio personality to have. The material I receive will be used in my classes, and if I get sufficient response I'll report my findings back to the club in another Muse. I bought a Sony ICF-7600A a few weeks ago (best price I found was \$94.50 plus \$8.00 shipping from Focus Electronics, 1-800-221-0828). It's the size of a paperback book and has seven shortwave bands, plus AM and FM. It's quite impressive - best portable of this size I've heard. It uses four AA batteries and it doesn't devour them as does the ICF-2001 - my first set of batteries are still going strong after a month of daily use. By the way, the sales lady at Focus tried to convince me I should purchase an exterior antenna along with the radio - she didn't know the radio has no jack for an antenna. It does have three jacks, though - for power, an earphone, and a line out for tape recorder. Earphone and cloth case are included. My radio arrived with no guarantee, but I sent a postcard to Focus and they sent me a one-year guarantee form. A warning - be wary of ordering anything from Galaxy Electronics in New York. Letters of complaint about this firm have appeared in Video and Video Review, and both magazines no longer carry their advertising. Paul, I can't give you a lot of DX stuff because I don't do much of that. My interests lie in content more so than location or rarity of reception. (To each his own, Dan, and welcome to NRC - we hope you receive the utmost from your membership. Muse often! -pls)

NOTES FROM THE REAR OF THE STAMFORD YARD

TONY FITZHERBERT - 356 Jackman Ave. - Fairfield, CT 06432 (pm 3-9; rec'd 3-12)

DX'ing has been cut down a bit here as my employer, the Metro North Commuter Railroad Company, has been shut down by a trainman's strike. I've ended up as trainmaster - Stamford Yard; ironic as I've never operated one of our trains - lots of night duty. Cannot DX in the trailer as the fluorescent lights put a buzz in everything. Also, the trailer is surrounded by trains, all powered by 11,000 volts AC - h'mmm - the world's longest beverage. Have caught a little 1550 after several attempts, with v/l; v/q from WSWA-550, a goodie - my report back with CN from WSN7-1490, Sandorville, GA, noted confirmed; a verbe back from long-time holdout WNTS-1350 with v/l and two CW's. Also, a v/l with BS from WJDD-1520 - so returns are good. Hope that the MNCRC strike ends before 4-1, as April is my favorite month for DX'ing because of the early sunrise and daytimers are going on the air as early as 5:15 am. 73's!

TOM CONNATSER - Route 9, Box 78 - Sevierville, TN 37862 (pm 3-9; rec'd 3-12)

Hello again from the Smokies. Have had an interesting couple of evenings lately at SS with Tuesday 3-8 being especially good. I logged 3 new stations without even having to touch my dial. But, first things first. While sitting on 460 at 6:35 pm 3-4, I caught an ID in the jumble, "Love 86, WAEC". The signal was bothered heavily by WYDE-850 AL. Since I got a definite ID, I'll count it. Moving up to the high end regionals, a favorite hunting ground, I heard WETU-1250 AL s/off at 6:43, a couple of minutes early. Down to 1220 where WBUL-AL was doing its thing. I also heard a high school basketball game from WLSA-VA, I think. Spots in the game were for merchants in Big Stone Gap, but no ID was heard, so I'll not count this one. Also, it was after WLSA's s/off time so they shouldn't have been on the air. Down to 1190, I logged my first frequency change in WHIY-AL. I had logged this station as both WHIY and WLCB on 1530 when I DX'ed from N. AL. WHIY was running ads and country mx till s/off at 6:59. Next door on 1170, WAMB left air at 7, and was replaced by KVOO. Back up the dial, I netted the end of the s/off of WYEA-1290 AL at 7:01 with plug for WMLS 98.3 given. A brief post-midnight session on Sat. 3-5 produced only a couple of format changes. WALT-910 MS my one-time favorite station no longer runs BPL mx. Format is now Super Radio satellite fed AdCon. Also WCCL-1590 MS has dropped country in favor of T-40. Next DX session was sunset Tue. 3-8. Heard an ID for WBBE-1580 KY under s/off of WSEK. I'll not count this one yet, as I'm pretty sure to log him again. Down to 1440 where WZXX-TN was blasting away at 6:47 s/off which consisted of the Woody Woodpecker song, "That's all, folks" (but not by Porky Pig), and a formal s/off announcement mentioning 5,000 watts. To 1430 where WWVQ-FL was heard better than ever with country mx and news. Nulling out 3WQ netted my KZ Country from Metro Nashville, a station I'd been looking for since the call change; it's now

(Tom Connatser, continued) WKXZ Madison 1430 AM and WJXZ 100.1 FM Franklin. Station ID'ed late (7:03) and dropped power even later (7:05). Maybe next time I'll get a report on 'em. The three I mentioned at top of the Muse - WBHC-1270 SC with soul mx, ada, and Mutual not from 7:13-8:04 and B-103 WJEW calls; someone forgot to pull AM plug. Report taken, but I doubt he'll verify. R. Rejo Cuba heard under him. At 9 pm they'd finally gotten the AM off the air and WJEC-IL was atop the channel with mx, and country mx. One verie in this week from WHIM-1110 RI for 2-20 DX test, thanks to Craig Healy. I see I'm over 30, sorry! 73's.

RAY ARRUDA - 47 Burt Street - Acushnet, MA 02743 (pm 3-8; rec'd 3-12)
This could be the shortest Muse this issue as not too much is happening lately. WMDO-1540 made it here on 2-24 but the following morning of 2-25 WMDO-900 test did not. A try for WMDO-560 test MM 3-7 3 to 3:30 was to no avail as the frequency was covered by WHYN/WGAN. Back-tracking a bit to 2-22 and a phone tie from ERC, WHYN-1550 PA was logged Tues. morn concluding ET with ID and Willie Nelson mx 1:57-2:05. While up MM 3-7 I did a thorough bandscan twice up and down with nothing unusual noted. Boy! There's a lot of stations running NSP now compared to 20 years ago when I first got into the hobby. This makes it much harder to add new ones to the log books. Recent veries: V1 from WKYK-940 test along with retro card, CM, and Xerox news clippings; WCMX-1000 signed and returned my report; v1's also received from WJCC-1170, WMDO-1540 test + CM, and WHYW-1550. 73.

♦MARTIN MISSES OUT ON DENVER WEATHER WOES♦

GENE MARTIN - 3303 East Evans Ave. - Denver, CO 80210 (pm 3-12; rec'd 3-14)
Between Mar. 2 and 10, Mrs. Martin and I made our third wintertime trip to the Pacific coast of Mexico, this time to Puerto Vallarta, about 14-hundred miles due south of Denver. Saturday morning, the 5th, a phone call from Denver alerted me to the fact that Denver was being besieged by a late winter snowstorm of considerable dimensions. By Saturday night the Denver snow was being mentioned in many U. S. news broadcasts I was able to hear in our hotel room. Come 11 pm in Denver that night, I was able to tape 5-6 minutes of local storm news from KOA. On Sunday morning I sought out half a dozen Denver people in the hotel and played that tape for them. They found the news both gratifying and disturbing - gratifying because it suggested they had gone down to the tropics just at the right time to miss that sort of weather; yet disturbing for it raised the possibility that they might have trouble flying back home. Two out of three flights to Denver were being diverted to other places on that Saturday night. All of them also were astonished that I was able to receive KOA so far from home, and record it for them to hear. I also told each one that I would monitor KOA again on Sunday night and Monday night to keep informed on the local snowstorm and how it was affecting airport arrivals. As of Saturday night, the airport had received 17 inches of snow and another twelve inches were being predicted for that night and Sunday. But the additional snow failed to show up and in 2h-48 hours, the landing problems at the airport were largely cleared up. The radio used was my GE 3-5200 AM/FM/cassette receiver. Later on, I will follow up this report with a general account of radio reception at Puerto Vallarta.

BRIAN PITMAN - 935 Milford Dr., Apt. #102 - Kingston, ON K7P 1A7 (pm 3-6; r. 3-14)
I am getting a poor response to the NRC Stamp Service (see Jan. 31 cover of DXY). In anticipation I invested \$20 in US stamps and here they sit. It will be a long time before I correspond with 100 US stations so why don't you Canadians help me out and buy these @//W stamps? Like McDonalds we do it all for you. A typo in Musings (oops -pls) had me picking up YVQT-1110 on my car radio at noon. It should have read "CHPR-1110/CFIX-1170". YVQT was hrd at 5/0n. I'm making an effort this year to OSL the fifty states and ten provinces. Many are already verified but some easy ones like WV, GA, NH, AR, NE, PEI, NS, and QU I just haven't written to. I find it boring to send reception reports to easy-to-hear stations, so I usually write only to my better catches. CFM work went for naught this year, although the GE of WHEO said he'd let me know when testing was planned. DX-wise, WETA NY was hrd on their new frequency of 1230 kHz on 2-14 @ 1-14 AM with CL mx. 2-20 WHIM test was in loud and clear from sta rt to finish. 2-21 A TT on 1530 turned out to be WJPC PA with ID @ 1:00 am, and the WJMW test was hrd very weak with Morse code ID's. 2-28 WEAAT-850 PL was under everything else with ID's and CNN mx @ 5:00 am. At 6:06 pm CRHB-1460 QU was hrd with FF talk, and @ 6:25 pm a report was taken on WDSM-710 WY, only my third US station on 710. 3-2 cx were AU with all manner of best feeding in and out abruptly. WREN-1600 GA was in for a few min. after GA NET mx at 6:35 pm ID'ed as "WRBW AM 1600." At 6:45 pm I heard my furthest GY ever when WJNO-1230 PL ID'ed @ 3:14 am. They were in for an hour or so with local talk show, phone 655-WJNO; mentioned Mike McKee show. I couldn't get enough for a report due to fading; should have phoned the number, I guess. They are station #1300; I'm glad that a Cuban didn't get that distinction. On 3-4 WFOY-1240 PL was hrd with ET as per list, from 12:15 to 12:25 am TT with ID every min. Weak signal. That's all for now. Getting low on return postage? 73

NEXT DEADLINE FOR MUSES IN RIVERSIDE MONDAY, APRIL 4 (HURRY!), THEN APRIL 25.

TERRY A. KLAASEK - 9720 Vickie Place - St. Louis, MO 63136 (pm 3-12; rec'd 3-15)
Hello, fellow dial twitches, and welcome to yet another Klasek Comments. Oh, my achin' fingers! Since my last Muse a veritable avalanche of DX mail has swamped me here in jy DX Den. I blew 440 in follow-up reports to every holdout station for me all the way back to Fall, 1979. BONZAI! I got writers cramp writing in all the entries in my log. Also, a few TA's, and many Latinos have appeared on my HQ-180A. Totals have almost jumped off the map, and here is the updated for you. Stations heard: 979; stations veried 895. All 50 states veried. Foreign stations heard 87, and 65 stations veried. Foreign countries heard 64, and 50 countries veried. I will hold a party here for anybody who attends when I get my 1000th BCB verie. I do not expect it before late, late '83 or soving '84, but I expect 1000 veries by next summer. So start stalliblegible -pls) guys, as I'll do the best bar-B-Que of my career for that picnic. A brief reintro now. I am 36, married 12 years, and have 2 beautiful daughters (yes, I am biased!) I have been DX'ing since spring 1965, and with a wide variety of receivers. Still no verie from the Wasco, CA CPC test last November. Can somebody in California find out why they have not sent out veries! PLEASE! 03 March cable TV arrived here, and I now have 63 channels to choose from. I have not burned out the converter yet, but give me a chance! Hi! I watch a lot of WGN from Chicago, and I like to see the Chicago market's radio ads on TV. I have 150 St. Louis (World Champion) Cardinals scheduled for trade. Send one of your local team, and I send one for the BEST team in Baseball! Hi! (Are you talking baseball cards, BS, or players, Terry? -pls) Keep thinking NRC '84 in St. Louis! I'll have the fattest goodie bag ever. No, not for that reason, fellas, hi. Good DX to all - de TAK. (phone 314-468-7274 prepaid only)

HANK HOLBROOK - 7211 Chestnut Street - Chevy Chase, MD 20815 (pm 3-12; rec'd 3-15)
My Musings of 2-19 has yet to show up in print. Thought I marked it to go Pony Express but seems it rolled via the old stage coach -HI! This time we'll pick up the loggings so far in '83 and scoop up one of the last ones from '82 as well. Everything this time (with the exception of WJMW heard on 990 kHz DX of 2-21 which came in nicely at the cottage at Fair Haven Cliffs, MD with the old '50 vintage HO-120X and the Colgrove loop from 0306 to 0339 EST) was heard from Chevy Chase listening post with the SP-600 (mid-50's) and Colgrove loop. Here we go - Logged and reported so far in '83 (underlined have already QSL'ed) - 1-11 NJ4C Col 1130 0001 to 0035 with little to heavy WNEW GRM; on the 15th another one in Spanish from Miami-WQBA-1140 from 1719 to 1747 good with a long description on the Redskin victory. (?? -pls) Then on the 23rd CKAN OM 1480 0634 to 0655 nicely received. On the 25th we logged WSAY VA from 0653 to 0717 another big band station, ex-WREX. Closed out the month on the 29th with WTWB FL. 1570 briefly at 1800 s/off and letter back for my 83rd from that state. February was a good month with 13 added - On the 1st WYXX GA 1550 from 1801 to 1815 when they reduced power; on the 5th we added three: WRBQ FL 1380 0234 to 0301 pretty good; then in the evening WJGA GA 1130 1755-1815 good, QSL'ed here 8-12-88 when on 1400 kes; and then WPUL FL 1130 briefly at 1815 s/off. On the 12th in case WJGM GA 1320 spotty 1757-1800 s/off, and on the next day added WJSC SC 1570 1754-1800 s/off. On Monday the 14th we pulled in 4 CW ID's from DX'ing WSNW WI 1590 from 0104 EST. Only way DX specials have a hope of getting thru these days is with CW ID's! Took logs on WJIN PA 1290 for 4 days commencing on the 10th. Very rough here thru semi-local WAGE VA. On the 18th it was WJKK WV that made my day on 1070 from 0630-0650, good. Someone put on the wrong tape and they signed on with their sign-off announcement HI HI! (I'll admit to having done that, Hank -pls) On the 21st after returning from the bay picked up WBRG VA 990 for my 2nd Lynchburg station of the month, at 1800 s/off thru WHN. Left work early on the 23rd and added semi-local WDMV MD 540 good from 1436 to 1500, previously QSL'ed under old call WDMV in '56. WHIN MA 1550 closed out the month on the 28th. Fine letter back saying in part "You will be pleased to know that we have never received such a comprehensive report; job well done, thank you!" So far in March 44 have been added - Started out on the 2nd by logging the BULL of Birmingham - WBUL AL 1220 1854-1900 s/off. Good way atop the channel! On the 4th was delighted to hear WODI VA from 1840 to 1850 thru the jumble on 1230 kHz. On the 8th WGH VA 1310 thru local WREL from 0626 to 0641 - previously QSL'ed on 2-18-88 when on 1340 kes 250 w and then in came WJPD PA for the first time here until 0720 thru WREL on 1310 kes. By the way, my last logging of 1982 was WZAP VA 690 for 10 kw; it was the first time here! All band veries at 11,827 of which 2,563 are on beb. Hail to the mighty REDSKINS -Superbowl Champs! Local WJDC has joined the trend - dropped that awful rock (tak, tak, Hank -pls) for big band - unforgettable music and would you believe it I can now hear 1240 and 1280 kes. Everything used to be blocked from 1230 to 1290 when they had that loud rock. Their transmitter is about 1 mile from here! Local WJOK 1150 has a good sound and I hope they make it! Nice to be able to dial in a laugh from time to time! 73.

SEND YOUR VERIE SIGNERS TO WAYNE HEINEN - 427 E. Caremillo St. - Colorado Springs, CO 80907 RIGHT N-O-W I (OR TOMORROW, IF YOU'RE BUSY TODAY, HI) AND SEND ALL DXCHANGE ITEMS TO RUSS EDMUNDS - P. O. Box 127 - Beonton, NJ 07005 (SO I DON'T HAVE TO TYPE THEM UP, HI!) BANDSCANS GO TO TERRY KLAASEK - 9720 Vickie Place - St. Louis, MO 63136. THEY, LIKE I, APPRECIATE DOUBLE-SPACING WITH NO OVERSTRIKES, LEGIBLE WHITING. USE ELT FOR MUSINGS, PLEASE; AVOID ABBREVIATIONS.

GUY KIDLEWYER - 1314 City View #1 - Aurora, OH 97402 (pm 3-14; rec'd 3-14)
 DX'ing has slowed somewhat here in Oregon, with only 4 new stations

to hit the loop since last issue: 1-2 brought KPM5, Santa Barbara at 8:04 pm, EST after I had written this frequency off to KYAC/KMSU and was about to change the dial. 2-6 brought me WFLR, Billings, at 7:34 pm, EST with RFL/30S and wx check, just minutes before s/off - really in well for only 500 watts. On 2-9, KBLF, Red Bluff, surfaced at 10:14 pm, PSI with a quick ID, then faded back into the mess. Then 3-9 brought me the catch of this young Springs: I was sitting on 1440, sorting out a mess that included XRY7 and P9L7. KSYC was dominating at times. I kept hearing snatches of someone else underneath, so I held on. At 9:38 pm, EL7, they faded up with a comm. for an Amoco Service Station. Since I knew that Amoco had no stations west of the Rockies, I knew that I was on to something. After the Amoco spot, the announcer mentioned the town of Wiggins, which I recognized to be in Colorado. Sure enough, at 9:40 the ID came in L&C: KREL, Boulder. Running true to form, I didn't have the time running. Oh, well. Still, not a bad catch for a 250-watt station East of the Rockies on a graveyard freq. at about 875 miles. (Congrats, Guy, both for the catch AND for hanging in there and bagging it in spite of the odds - pls) I find that I can use my loop and my tunable LW in combination - I can lose out the unwanted station, then tune the LW to bring up the station underneath. It doesn't work every time, but it sure comes in handy on the graveyards. Correspondence with Alphonse Sobie reveals that KLLK is not yet on - anyone know when they will be? The NRC Log Sheets sure are a dandy idea. I just got through re-copying all my loggings onto the new sheets - took me about 8 hours or better. With gas skidding below \$5 a gallon, I can now officially afford to go someplace once again. Trouble is, where can you go in weather like this? That's all for now; someone ask Wally Wawro what it's like to have Jerry Jeff and Willie for neighbors! (How 'bout it, Wally? -pls)

DONALD S. VOORHIES - P.O. Box 97 - Oswego, NY 13126 (pm 3-14; rec'd 3-14)
 Although I am a recent NRC member, my interest in CBC DX'ing goes back over 50 years. I was quite active from 1931 to 1937 and enjoy reading recollections of Doc Brinkley and his stations KFKB and KER; also WFIP "Hopkinsville in Old Kentucky"; WYR? and WYKH, as I heard those broadcasts also. DX'ing was easier in those days as there were a lot fewer stations and only a handful of AM's. My sole remaining issue of RADEX (Nov. 1936) lists 670 stations in the U. S., 82 Canadians, 59 Cubans, 75 Mexicans, and 23 in the W. Ind. C. A. During that time I collected over 600 verifs from every state but Wyoming, all Canadian Provinces but Newfoundland; Hawaii and Alaska. Also verifs were LES, LRI, LRI, LRI, and LRS - some on tests conducted for U. S. Bureau of Standards - and all in Buenos Aires. Other SA's were CX-26 Montevideo, Uruguay; CPH and CFX, La Paz, Bolivia; and HJN Bogota, Colombia. (Good grief - pls) M's verified were 959 - Poste Parisien, Paris, and Radio Normandie, in Peccamp. TF's in addition to KGU were JOFK Hiroshima, Japan, and 2 Aussies, 281 Sydney, and 3DH Melbourne. At that time I was a member of the Newark News Radio Club; in fact, I still have Super Ace Certificate #90, issued on 1-30-35. Also belonged to the Globe Circlers DX Club and (I believe) the Canadian DX Relay. This DX'ing was done from Brooklyn, NY with a Majestic 7-tube radio. (Don adds that he wasn't sure of some frequencies, having lost some records, but frequency of Radio Normandie could have been 1439; ZEL-740; 302 on or near 1114, and JOFK around 860 - this from a separate note. Thanks, Don ... we're always ready to print more memories from the past -pls)

DAVID "POCO" WHITE - P. O. Box 43 - Cherryfield, ME 04622 (pm 3-14; rec'd 3-17)
 The receiving conditions here haven't been so good. Several storms coming up the coast have plenty of static associated with them, so have had rolling static on most of the frequencies that I operate or listen on. Have a project on 3700 kc in the early evenings, and of course schedules on the other ham bands, so with tuning in on my crystal set I am kept busy. Last evening (Sat., March 12) at 0243Z (?? -pls) tuned onto 800 kHz and heard "Bonaire, Netherlands Antilles", with readable signal; caught them fading in and held the signal for about 5 minutes. He tried at 0244Z (Zulu? Universal Co-ordinated Time? -pls) About a week ago at 0109Z (date not by my notes), was tuning around 1610 kHz and heard "Caribbean Beacon, Anquilla". Picked up first on my old S 38 B receiver with such a good signal, that I turned him in on my crystal set. The receiving ex were unusual that nite, either sunspots/northern lights active. Also noted a VO4 on 1580 kHz with good signal, and both stations faded out at the same time. Listed as St. John's, Antigua. I was an operator at Navy Radio San Juan, PR, back in 1940, and had received many weather messages from Bonaire Ship-Shore Radio. Although I can receive these DX stations on a BC set, I still get a greater kick out of adjusting and tuning the old-time crystal set; ain't that right, Mike? 73.

DICK TRUAX - 3003 Gleason Ln. - Louisville, KY 40299 (pm 3-14; rec'd 3-17)
 Greetings once again from the Bluegrass State. DX here has still been nil, although I have made a genuine effort to DX! Thanks to a call from Jerry Starr on 3-6, I was alerted to a last-minute test of WNRK-1260 in Newark, DE conducted by Dave Schmidt. Unfortunately, the test was NOT audible, even when I pulled out pest WIDE-IN and WIEV-IL. An open carrier on 1350 after local sunset the last few days has to be local WLOU, evidently testing prior to going on their new night schedule. No ID's given while I listened, but it's them. Oh, well, 1350 wasn't much of a channel to DX anyway, with pest WSLR and occasional WSMH the

(Truax, continued) only usual stations here. WLOU is Soul format, ala WAOK-1380 in Atlanta, so be on the alert for this new fulltime soon. Hats off to Mike & Sue for making it through the first season unscathed - may they last another 10!!! Most of the equipment I recently advertised in DXchange is now gone, but I still have a R-300 I forgot to include (it's not an "A" model, but just as good). I hope to be able to give some detailed comparisons between the R-390A I am keeping and the R-7 just acquired. So far I have to agree with Chuck Hutton's review of 3 years ago. Don't dump your R-390A for an R-7, unless you are strictly wanting a solid-state unit that is more portable than the R-390A. So far, the R-390A will do anything the R-7 will do, and the R-390A's audio is much superior to the R-7's, even on an external speaker. Ditto the HQ-180A; it's as good if not better on MW although the R-7 has it on SW due to better calibration readout. I am going to the annual BIG Dayton Convention on 4-30 (it has the largest flea market with all sorts of goodies ever witnessed by these eyes). If anyone has a shopping list of wanted equipment or parts, drop me a line and advise me your wants; send money, too! If I don't find it for what you are willing to pay, money will be returned, of course. (I'd suggest including an SASE, and a big THANKS for Dick's offer -pls! More as it happens.

BARRY S. FINKEL - 10314 S. Oakley Avenue - Chicago, IL 60643 (pm 3-14; rec'd 3-18)
 As this is my first issue, let me introduce myself. I have been DX'ing for 17 years, having started when I was a junior in high school. I am employed as a computer scientist/systems programmer at Argonne National Laboratory, a Dept. of Energy lab. My original equipment consisted of a Heathkit EK-2 radio and a 35' longwire antenna pointing southwest. I modified my EK-2 to accept a Heath G-multiplier. I also added a "mini-VTVM" as a tuning meter (to measure AGC voltage) and a digital frequency meter. Five years ago I purchased a McKay Dymek DA-5 antenna. And two yrs ago I got a Yaesu FRG-7700 radio. I have DX'ed mainly from one location, if one doesn't count the 7 years in a dorm room in Urbana, IL and 2 years in another dorm in Madison, WI. My total station count is 430 (Cgo), 43 (Urb), and 36 (Mad). I have never written for verifications for two reasons: 1) I did not know about the practice when I started DX'ing, and 2) how can one ask for a verification when all one has is a 3-second station ID recorded on tape? I have not been a consistent, full-time DX'er; I spend a lot of time listening to classical mx on FM. /// I have not read any of the NRC publications concerning antennas; I have also not seen mention of the MD DA-5 antenna. Has anyone compared it to other directional antennas? (I don't think so; perhaps you'd like to, hrm? -pls) I prefer the DA-5 to my longwire because the DA-5 is rotatable. When I want to receive a particular station, I use my atlas to determine latitude and longitude; I use my Casio pocket computer to determine the direction to which my antenna should be aimed. A comparison of the Heath vs. the Yaesu: the Heath has better selectivity and the Yaesu better sensitivity. Local stations (e.g. WLS-890) cause adjacent frequencies (880, 900) to be unlistenable on the Yaesu; on the Heath they are better. One night I pointed my DA-5 directly at WGN-720 and identified R. Rebelde in Cuba. /// As I have been working with computers for a long time, my station list has been computerized from the start. The list comes in three parts: 1) a document explaining the other two parts, 2) a list of stations received (one station per line), and 3) a list of some of the stations that I have heard but not identified. Basically, I print the files. If there is enough interest, I would be happy to write a short article about the format of my list. (Bring it on! -pls) Concerning unidentified stations, I have identified some by using the "NRC Domestic Log" and the phone directory collection at the Cgo Public Library. On 9-28-75 I was listening to 930 and heard an ad for Yellow Cab, 521 Broadway, 244-4220. A check of phone books and Directory Assistance proved futile. Does anyone recognize the city or station? (Welcome, Barry)

JEFF KADET - Box 90 - Rockville, MD 20850 (pm 3-15; rec'd 3-18)
 3-6: "Huntsville's All Oldies Station", WDAK-1000, noted on top @ 6:34 pm. MX 3-7: Uun WCRK-1150 f/e-TT with phonetic ID noted beginning @ 12:30 am, right after local WJOK's s/off. WJOK was on later with an ET/M. Don't mistake some of their Firesign Theatre cuts as exotic DX, hi. (Erotic? Hi -pls) Another 1340 newie made it through WYCB's AN OC; WSTV on top on RS @ 2 am. 2 different TT's noted on 560 @ 3:48 am during the WHND test, but the noise level here below 900 kc/s. is S-5, so no ID's were possible. 3-9: Pest WFMD-930 off this am (Wed. SP?). Wierd Radio Reloj spur noted on 955 with hardly any carrier but loud audio. WWWE-1100 off for a few hours later in the am, but an accented EE station on 990, with calypso-type mx, distracted us. Too much WRC splash to get ID, but probably needed Granada. Telephone interview with accented EE on 1100 @ 6:55 pm turned out to be ZDK, Antigua. Cuba noted atop 1050 @ 7:52 pm, and Antigua again, this time on 1165 with religious programming, 7 pm and on. Later, an UNID was noted on 1578.9 with rumbe mx around 10 pm. 3-10: Radio Reloj spur noted on 924.6 today. In the eve, WADJ-1330 on top of WFBC/WFAW/WBEO @ 5:50 pm; don't know how I missed them before. 3-12: Best TA opening in a long time @ SSS produced the Saudi on 1521 @ 7 pm with AA mx for my last needed continent and country #62. Amazing signal considering that 'KB was coming in pretty well, at the time. Also heard Mainfligon on 1539, plus and UNID atop the jumble on 1584. MX 3-14: WMTX-940 noted on RS @ 4 am. Later in the day, Cuba-1040 // Radio Victoria on 1050, 1 kw CMLQ? Good aurora this eve. produced a het on 1240 about 150 cycles high, an LA? Also 2 UNID's on 895 @ 8:40 pm - one 100 cycles higher

[Kadet, continued] then the other one, but too much noise to ID. Radio Granada-990 in well most of the eve. 3-15: Roidsville, NC on 1600, call sounded like WRNC, s/off @ 12:30 am mentioning 1000/500 watts. Totals now at 1996 stations.

NORMAN SHACAT - 81 Woburn Street - Medford, MA 02155 (pm 3-15; rec'd 3-18)

Hello again, NRC. I would imagine there are still a few who remember my name dating back to my earlier membership c. 1965-67. I'm a lot more mature now and I guess you can say that once you've been bitten by the DX'ing bug, you're hooked for life. My hiatus was due primarily to a dead receiver, too many AM's, and the activities of attending college and then establishing myself in the rat race. My curiosity and fascination with the hobby never vanished and I could still quote call letters, frequencies, power, and location of most of the BCB stations east of the Appalachians and the many common foreigners, too. The last several years I've given more and more thought to taking some of the money I earn and put it into a radio to keep up with the world through SW and to play on BCB. My biggest hurdle was finding anyone who carried anything but the most basic equipment. My preference was a Hamerlund HO-180 but the only place I could locate that catered to the serious radio buff was called "You-Do-It", and even they had a poor selection. I ended up with a Panasonic RF-2600. While it is not as much radio as I would have liked, I'm back in business and can either trade up in the future or make some modifications. First day's listening piqued my interest with Caribbean Beacon on 1610 between 1830 and 2200 with EE religious programming among splatter of local on 1600 (used to be WBOS). Without any kind of log books, I was fresh with memories of the old W. I. B. S. stations operating with low power on splits, but have since learned the location and power of C. B. thru NRC. I had to know and even want to lengths of trying to contact NRC's of the past at their old addresses. Some old woman in Brooklyn listed as E. Cooper wasn't happy to hear my voice. Finally located the NRC in a book about SWL I bought when I purchased the radio. The address was in NJ over 6 yrs. old (h1). I'm appreciative of the space as I'm sure I've gone on way too long but it has been close to 15 yrs since my regular contributions to Musings. I don't know how active I'll be due to various other commitments but it's good to be back. I am impressed by how sophisticated the club seems to have become and wonder if old friends Randy Kene, Gordon Nelson, and John Callarman are still around? Glad to see ERC is nearby enjoying himself in what has to be DX heaven. (Welcome back to the fold, Norm, and let us hear from you often -pls)

BILL ANDRES - 1159 Montauk Highway - Copiague, NY 11726 (pm ?; rec'd 3-19)

Had a good vacation week 3-6 to 3-13, with several DX-types and curious observers getting time off as well, rendezvousing at my folks' house in Fairless Hills, PA (suburban Philly-Trenton). My folks were away too, in Florida. The week culminated in the marriage of former NRC'er Vinny Cavaseno. Had enough energy (after the others dropped off) to make a 4-hour drive out of a 1 1/2-hour trip to Newark, DE, to witness DS run an ET at WNRK MM 3-7, causing instant calls from JS and PR4. Must have been the tweaking of the audio, Dave, that got the station out so well. The suggestion was made that the needy NRC'ers contribute money to a pool to install DS as CE of KFAR, KORL, Thule, etc. DX of Saturday 3-12: 990 a weekie under what I figured was WZZD's carrier turned out to be WZZD @ 2:15. OC went off @ 2:30 unID. WDEL, which has been following me all over the coast, caught going into NBC rx @ 3:00. WASY-1590 now with another Boston pro team affiliation, the Red Sox. Promo caught @ 3:31 along with an ET or GY DX on the ol' Zenith netted me one newie and some good listening. Non-AU night brought WWSC, CPJR (EE) and WOL on 1450, WPEC and WICK on 1400 (the latter with a nice, live, and enthusiastically-done beautiful music show with female jock.), WVID-WRAW on 1340, and the greatly-desired WPVA Fredericksburg on 1230 with a jingle ID @ 5:00, then back into Larry King. The SS haunting WHAS most nights turns out to be Cuba, but don't know which one. No slogan caught. And, for the 52nd consecutive try at WSNB-610, did not hear them once again. MN 3-13 tried for possible WNRK ET after midnight, but heard only WWDG, WWSA, WNRD, and WZZE, giving only their address, for some reason, s/on @ 12:52. 73.

NEIL KAZAROSS [no permanent address yet] (pm 3-16; rec'd 3-19)

I just completed my big move across the country to my native New England area. I'm now working as an antenna engineer for Adams-Russell in Amesbury, MA. It is relaxing feeling to be out of LA which was too crowded and too expensive for my tastes. My fiancée, Laura, and I will probably be living in an apartment complex prior to our wedding and buying a house in a wooded area with lots of space for antennas. This area is quite close to the Atlantic and should be great for TA's. Unfortunately, DX will probably be almost impossible in an apartment but this season is winding down, anyway. Next weekend, I'm going to Narragansett, RI (2 1/2 hours south of here) to once again set up my DX retreat at my grandmother's place. The Beverages (1400' of room readily available) will be set up straighter than before. (The woods are very dense!) This time, I'll chase parallel Beverages about 50' apart. Several longwires will be set up at different heights, lengths, and directions to give me many different combinations of phased wires to choose from. Much use will also be made of my NRC h1 FET altaz loop obtained recently from Steve Bohac. My preliminary observations indicate that the NRC loop is very definitely the best loop when compared to the Sansarino, R. West ferrite, or SM-2. 73's.

BOB SMOLAREK - RD#1, Box 63 - Whitehouse Station, NJ 08889 (pm 3-16; rec'd 3-19)

I'd like to welcome Jeff Ross to the NRC. I'm glad to see someone else from Hunterdon county in the club. I'm about 20 miles north of you, Jeff, in Oldwick, and I'm 25 years old. I use a Lafayette HA-600A, a Fisher Stereo, two portables, and my car radio to DX. NBA basketball fans will be happy to know that the New Jersey Nets will be heard on WHBC-660 next season. This is a big step forward for the Nets and the first time WHBC has broadcast sports in about 10 years. March 2 was a very productive day at the dials. Between 6:35 pm and 7:35 I heard the following: WJFA-1590, WRSB-1600 GA, WLIJ-1580 TN, WAAV-1550 AL, WHLP-1570 TN, WRSB-1540 AL, WSAO-1550 MS, WOKJ-1550 MS, and WDBD-1150 Daytona Beach Two-Way Talkradio. Later that night I heard WVOJ-1320 FL and WDEX-1430 NC. 3-3 brought WJMK-970 SC, WHLN-1410 KY, and WNOE-1060 LA all at sunset. 3-10 CHOW-1470, WILD-1270 KY, and KOV-1410 stronger than I ever heard them. Except for a few days, DX conditions have been poor this season. 73.

ERIC BUENEMAN - 236 Lamplight Lane - Hazelwood, MO 63042 (31h) 895-1436 (prepaid) (pm 3-18; rec'd 3-21)

Well, here I am with my part of the Paul Sweeringer Show. (Get the hook, hit -pls) I currently have 62 stations verified out of 89 heard. Most recent veries were: WHBC-660, KWRE-730, WGY-810, CBM-940, WSPA-950, WJLY-1210, WHSP-1270, WMDB-1470, and WESL-1490. (Incidentally, I got my WJLY verie in just three days!!) Lately I have been DX'ing the MW Broadcast Band and the Amateur Radio bands, with four additional veries in my SW file. I have been getting a lot of use out of my CB-60, mainly for DX'ing the MW broadcast band and the 2-meter Amateur band. It does very well in both bands, as I told you in the February 21 edition of DX News. I also have a DX-200, which does fairly well. I finally ended my hatred towards the Cubans on March 11 with a reception report (in Spanish) to Radio Reloj (CMBP/CMBD)-760. The American SWL club will have a new section in its publication, "SWL". An FM column will appear starting with the April edition. I had a few conversations over the phone with Terry Klasek, and he says he has over 800 veries. I am now thinking about forming a radio club in the future. No details released as of yet. Well, I must sign off now. Good DX to all, especially Mike and Sue Knicker, Richard Eddie, Jerry Starr, and all the rest in the NRC Clubhouse. And that's the way it is, March 17, 1983. This is Eric Bueneman, NRC News, Hazelwood. Best of 73 for now.

DAVE CLARKE - Group 11, Box 15, RR #3 - Bowmanville, ON L1C 3X4 (pm 3-12; rec'd 21)

First off, a great big thank-you to Ernie for his years of unselfish devotion as Musings editor; all the best to you, ERC, in your semi-retirement, hi! Many thanks to you also, Paul, for rescuing the Musings column; I admire your courage! (Really, it's stupidity, but thanks anyway, hi! -pls) Now, to the purpose of this Muse: I have noticed a lot of DX'ers (namely Tony Fitzhbert) complaining of not receiving a verie from CHOO radio, 1390. So, I finally made my way down to beautiful (?) downtown Ajax, and talked to a secretary at the station. She was not aware of any problem of this type, and said that all reports to be veried are passed to her from "Arnie" the engineer for reply. Anyway, I explained a little about our hobby to the lady (very pretty, too, I might add) (your devotion to, or, business is awesome, Dave -pls), and she promises to answer all correct reports promptly with a form letter and 2 window stickers. So, send your reports c/o Elaine @ Boyle, CHOO Radio, address per NRC log; and please enclose return postage. A reminder, mail from Canada to U. S. destinations is now 37¢, with no improvement in service, hi! (The travel time on your letter bears that out -pls) Brian Pitman's stamp service may be help there. If anyone has a problem getting a verie after this, write to me, and I'll get a hold of Elaine again (figuratively speaking, that is (not a pun)). Hope this is of help to some of you - Tony F., that'll cost you a free train ride, hi! DX here has been quite slow of late; a few veries have trickled in, including a letter, large iron-on and a Colombian peso coin from JHCT-1190, La Voz de la Costa. Totals now at 634 hrd/418 wrd, with states @ 61/40; prov. 9/9; and countries 24/16. 73's.

HARLEY RYAN - 4176 Chandler Dr. - Columbus, OH 43213 (pm 3-18; rec'd 3-21)

I am 62 years old and have been in the radio game since I was about fourteen. Have been in the radio and TV service business for the last 40. I grew up in the small town of Etna 22 miles east of Col's, and done a lot of DX'ing from there until the late 1940's. There were many radios from crystal sets to a Hamerlund SP-400 Super Pro. Ant. was a longwire about 100 ft. running N to S. One day in the 1940's I put up a kite for an ant. It was flying NE maybe 300 ft. long. No power wires within a quarter mile that way. If anyone remembers the Model T Ford they may remember the Ford spark coil. It was wound with thousands of feet of almost invisible enameled wire. One end of a piece of this wire was fastened to the kite's bridle, and then every few feet down the kite string. In the shack it was then connected to the ant. post of the Howard. I don't remember the station any more, but I was listening to Texas on the BC rad all afternoon. Left the kite up all night; next morning it was still up but very low; it was drizzling rain. Later while doing some work at the bench, I noticed the Howard was very noisy. Taking the ant. load from the kite in both hands, I pulled it apart; that was a dumb mistake. I got one of the worst shocks I have ever received; static electricity, I guess. Haven't tried it since but might work good if the ant. wire had a bleeder to ground. Enclosed find a list of stations I received in the late 1930's on a modified Wards Airline. Many of these stations

(Ryan, continued) are still the same; some have changed freq. and/or calls. Cannot guarantee how accurate either the call or freq. are but I was sure of them at the time.

PAUL SWEARINGEN - 21629 Cottonwood Ave. - Riverside, CA 92503
 Harlow's list of stations (starting with WERC Cincinnati, OH 550 kc, and terminating with CKAC Montreal 73 kc, is quite interesting. He wonders if anyone has an old call book ... from the late '30's ... with which he can check the frequencies. I don't, having donated an old radio mag containing my only old listings to an NRC auction, but I'm sure he'd like to hear from anyone who does have accurate listings. Guy Kudlery's catch of KBOL-1490 deserves special recognition, in my opinion, as a symbol of one of two types of members: the one who perseveres in chasing DX, rather than grumbling about NSP's or AN's and giving up. If those who predict the demise of AM radio as we know it, by the year 2000, are correct, we can expect DX'ers of the future to grumble about not having enough stations around to DX as they did in the good old days of 1933, right? I hope not! A terrific turnout this issue, guys and gals, and the recollections of old-time DX really put the icing on the cake. Perhaps we'll hear from more of you who DX'ed in the 20's, 30's, 40's, and even 50's? Share your memories with the readers of DXN in this, the 50th anniversary of NRC. 73.

1983 TIP TRADERS LIST update 2.2

Listed below are DXers who wish to be contacted during the indicated time periods about DX tips. This could be a late-breaking CPC test, NSP station off the air, daytime heard testing, daytime on past its nominal s/off time, or pipelines to certain regions. Please call the listed person only during times specified below, using the state as a guide to which DXers will benefit most from your tips.

All times Eastern Local				
NAME	State	Days/time to receive calls	Phone number	
Ray Arruda	MA	Seven days 01-05	617-998-3958	
Ernest Cooper	MA	Six days exc. Wed 01-03 + SSS	617-487-9337	
Tony Fitzherbert	CT	SSS	203-336-8959	
Paul Mount	NJ	SSS, MM	201-836-1137	
Joe Fela	NJ	SSS	201-561-1685	
Steven Paradise	NJ	SSS, SM, MM	609-825-8212	
* Jeff Kadet	MD	SSS, SM, MM, other days to 02	301-654-1876	
Bill Coleman	NC	Seven days to about 04	919-443-3551	
Dave Fox	PA	SSS	215-373-4400	
Dave Whatmough	OH	MM, SM	416-527-0383	
Jerry Starr	OH	MM	216-534-1394	
* Frank Merrill	OH	"NSP" --- anytime	419-866-8589	
Ken Romstadt	OH	MM	419-475-3089	
Gary Siegel	OH	"Let ring 3 times or less" MM, SM, SSS	419-726-1405	
Bob Walker	OH	SSS	513-874-8289	
David Reitz	KY	SSS	502-239-8300	
* Robert Kramer	IL	MM to 02, all nite SM	312-262-6299	
Eric Loy	IL	SSS	217-586-3255	
Mike Knitter	WI	MM, SM, SSS	608-423-4159	
John Rieger	WI	MM	414-476-3652	
Steve Francis	TN	SSS	615-982-3122	
Bill Whitacre	TX	MM	214-343-1433	
Don Erickson	CA	MM, SM, SSS	714-687-5910	
Albert Lobel	CA	MM 02-08, SSS answ. mach. + unlisted #	714-484-0604 714-566-0092	
* Mark Strickert	CA	SM; 2100-0230 other nights	415-752-4245	

*indicates new or updated listing. MM=Monday Morning SM=Sunday Morning SSS=Sunset Skip/Early Evening

Words of clarification on the operation of the tip traders list: It is meant to be a cooperative system. The person with the tip should determine who on the list could use the information. He then should call some of those people, asking each person called to relay the message on to others (specify who) on the list. For example, a PA DXer calls Mike Knitter in WI, asking him to call John Rieger; he also calls Frank Merrill in OH, asking him to call Gary Siegel and Ken Romstadt. If you're asked to call someone, please do so; you may be the person getting the relayed message next time. It should all even out between calls made and tips received.

On the contrary, do not call only the column typist, expecting him to call everyone appropriate; that's why the numbers are printed here in the bulletin.

Next full list will be in late September. Thank you. 73

Paul Mount 471 Emerson Ave. Teaneck, NJ 07666

PLAYING THE

VERIFICATION GAME

WAYNE HEINEN
 427 E. CARAMILLO ST.
 COLORADO SPRINGS, CO
 80907
 (303) 632-3332

Once Again	here we go with lots of	signers from lots of contributors!	TRY FRIENDS
542	KVMT Barry Walsh K	DR 1430	WVWQ Stuart Graham CE TC
	CFP S.D.Ewert	DR	WTL M. Hart CB
560	KWTT Monte Chaney CE	DR 1440	WGV11 Kris Harrison CE CB
570	WAAX1 Lynda Ellison Op	TC 1450	WVPOq Jack King Op/CE CJ
	WVWClm Jobie F. Sprinkle CE	TC 1470	CHOW Larry Holleran DoB DE
580	FVJ Al Schneider CE	GL 1480	WTH11 Wm Brister Jr. DoB CJ
	K5AC Dilbert Starb K	DR 1490	KF06J Rusty Shaffer GM CJ
590	K5URq Richard N. Gunn CE	WH 1510	K2111 John Hinton VP WH
610	W5GNf Frank L. Giardina CE	TC 1520	WPA11 Carlos M. Pirallo P SM
630	K10W Non Kozla CE	DB 1540	WVDO1 John Hofstetter CE RA
640	W01 David J Knippel E in C	DR 1550	W1P11 Robert Wolf CE HH
670	WMAQfmb Wm R Ryan Mof Op	TC	WVX11 Allison Owens HR/HR
680	KFEQ Donald E Mars E	DB	KUAT1 Patricia McQuown AG WH
690	WAFEM Art Dellinger CE	TC	WHY11 Joseph M. Davis CE RA
	K0GFF Bob McPride PD	DR/TC	1560 WPAD1m Edward H. Fritts P/GM CJ/DR
	WTLXcmh Barry Chuckini CE	TC	1570 WFWB1 Dale Allen Mx'D JR
	WZAF1 John Faniola	HH	WLS11 Mike "Stucko" Stukey CE HH
	W5Pq Walt Williams PD	TC	WLS11 A. Stage GM HH
750	KMMJ Harry Albers CE	DR	1590 WVNAlmb Mrs. Mary Ann Tidwell Op/TC
	WVW u/u	DB	W5W11 Thomas C. Weeden CE HH
770	KP0W1b Moi Lew Sta. Relations	WH	1600 K00T1 Jim Baker Mx'D CJ
	John Gradjan CE	WH	WVST1m Gaines R. Johnson CE TC
790	WETB1 Don Gibson PD	TC	WAAMq Tom Gardull ChC MX
850	WYDEM James E. Gray CE	TC	1610 KFBZ60r Jeanine C Piess SM
860	W8RTT Neal A. Perdue NRC QSL. M TC		Supervisory Park Ranger
900	W5WNL Carroll C Turner Jr CE JR		
940	WVYK1m Michael A Sink CE RA/TC		
910	KGLC Clyde Brovil E	DB	
950	WLSq1 Randy Culpepper PD	CJ	
950	W5PAG Gary E. Lieblich CE	TC	
960	CFAC u/u	DB	
	KD0T1 John Aghaney CE	WH	
1000	W0DE1 Lou Woodie GM	JR	
	WCMXr Donn Parker GM	RA	Welcome to new contributors!
1030	WBDX1m Richard Albright Op	TC	Mike Emitter- WF
1060	WAMTm Dan Grant CE	BP	Gary Lovegren-GI
1070	WFL1q Joe E. Poteet CE	TC	Chris Johnson-CJ
	WJKKf Dan Sessler GM/CE	HH	Dan Bartok-DR
1080	WKGX1m Alan McPeck CE	KO	Jeff Ross- JV
	WCT1f Bruce Clark CE	TC	Tom Connaster-TC
1110	WHIMf Craig Bealy (NRC) Tech	TC	
1140	W8ZYf Wm G. King Op	RA	Thanks to the "old timers" too the v/s
1150	W5CN1 John G. Eppler CE	JR	column:
1160	WJJDq J.D. Hurni CE	TC	
1170	WJCC1 Jeff Falowicz Run. M	RA	SM Stan Morse
1240	WJELf Robert Pinau NRC	RA	RA Ray Arruda
1260	WISV1b Marvin Mollring CE	TC	HH Hank Holbrook
	KGBX1 Kenneth Margis CE	CJ	KG Forrit Coary
1270	W8BF1m Frank L. White CE	CJ	WH The rather inadequate typist
1280	WMCPL Earl Williford P/GM	CJ	
1290	WQ1N1b Jim Helper GM	HH	
	W5SAlm Martin Foglia CE	TC	
1300	W1WY1 Dale Howard CE	TC	
	WVX11 Terry Stenzel CE	CJ	
1320	W1GW1 Tony Bonvini Op	HH	
	WVW u/u CE	WH	
1330	WADJ1 Wm C. Boyer CE	JR	
	W1LQ Rick Humphrey GM	JR	
1340	WAAV1 D.W. Bridges PD		
	Gary Weber CE	HH	
1360	W5AT1b Fred Williams CE	TC	
1370	KFP01 James R. Curtis O	CJ	
	WFAZ1 Robert E. Eppshiner VP	JR	
1380	WVW11 Frank Jankowics ACE	JR	
1390	WJUSfm Carl Martin CE	TC	
1400	KTRC1 Dan Felley PD	WH	
1410	W1ZM Gene Uehling CE	DB	
1420	FYCE John Linden E	DB	
	WKS8 Harold Starks CE	TC/CJ	



ENFIELD, CONNECTICUT NRC

50th ANNIVERSARY CONVENTION
 LABOR DAY WEEKEND
 Sept. 2nd thru 5th

ROOM RATES 1983: SINGLE: \$45.00 TRIPLE: \$75.00 PLUS 7% STATE TAX
 DOUBLE: \$80.00 QUAD: \$110.00
 *AN ADVANCE ROOM DEPOSIT IS REQUIRED BY THE HOTEL. REGISTRATION INFORMATION WILL BE INCLUDED IN THE JUNE ISSUE OF DX MAG.
 PLEASE COME TO THIS GALA DINNER AND CELEBRATE YOUR CLUB'S 50th ANNIVERSARY.